

19990518.qrp v01_n461.qrl.990518

Date: Tue, 18 May 1999 19:03:22 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1461

QRP-L Digest 1461

Topics covered in this issue include:

- 1) [40656] nc20 problem
by John Scott <kk5vh@yahoo.com>
- 2) [40657] Feeding a multi band loop (cloud burner) with balanced line
by "James Apple" <wb1dog@hotmail.com>
- 3) [40658] Ten-Tec Pegasus Pictures!
by "Paul Christensen" <paulc@mediaone.net>
- 4) [40659] Re: Ten-Tec Pegasus Pictures!
by Brian Chesire <BCChesire@worldnet.att.net>
- 5) [40660] Test
by "Frank Matthews" <fmathews@pilot.infi.net>
- 6) [40661] Sked tonight is off...
by "Samuel A. Falvo II" <kc5tja@dolphin.openprojects.net>
- 7) [40662] re: Desert Ratt Questions
by "Todd Foster, KD5FUF" <tef96a@timon.acu.edu>
- 8) [40663] CW Net tonight
by "Charles Hamel" <cdhamel@pdq.net>
- 9) [40664] TS-940S: Thanks
by "JEFFREY MICHAEL POULIN" <jpoulin@erols.com>
- 10) [40665] RE: Mitchell Lee KB6FPW
by "Ian C. Purdie" <purdic@integritynet.com.au>
- 11) [40666] Re: Feeding a multi band loop (cloud burner) with balanced line
by "Walter Dufrain" <walter@inlink.com>
- 12) [40667] Do you know how awesome Japanese QRPers are?
by sda <sda@bellsouth.net>
- 13) [40668] RATT regen circuit question
by mikemo@ibm.net
- 14) [40669] Looking for N8KIJ
by "Chuck Mabbott" <crmabbott@mediaone.net>
- 15) [40670] Re: Feeding a multi band loop (cloud burner) with balanced line
by "Paul Craig, Jr." <n3ysi@easy-pages.com>
- 16) [40671] :RE.. Regens....Pipsqueak
by "Greg Heath" <KB2QQM@email.msn.com>
- 17) [40672] G-30 grid dip meter info needed
by "jim" <aa0xj@ia.net>
- 18) [40673] Formatted QRPTTF report -- long!
by mwattcpa@earthlink.net (Marty Watt)
- 19) [40674] NC-20 Chirp

- by "John J. Waldburger" <n7zmg@seanet.com>
- 20) [40675] Fw: QRP Hall of FAME CONGRATULATIONS !
by "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
- 21) [40676] Fw: Dummy loads designs wanted
by "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
- 22) [40677] Desert Ratt Circuit Questions
by "Paul Harden, NA5N" <na5n@rt66.com>
- 23) [40678] Re Penfriend appeal
by "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
- 24) [40679] wire rope addition.... works... 30mtrs..
by hamjoel@juno.com
- 25) [40680] wire rope ect
by hamjoel@juno.com
- 26) [40681] Shortwave on regens
by "Paul Harden, NA5N" <na5n@rt66.com>
- 27) [40682] Re: Masthead Transceiver??
by Russell Hines <radioruss@fuse.net>
- 28) [40683] SV: nc20 problem
by "Hans =?ISO-8859-1?Q?Sundstr=F6m"?= <hans.sundstrom@telia.com>
- 29) [40684] Re: nc20 problem
by Gary L Surrency <gsurrency@juno.com>
- 30) [40685] NC20 problem
by Gary L Surrency <gsurrency@juno.com>
- 31) [40686] Questions (2)
by Jim Ek <JIM-EK@worldnet.att.net>
- 32) [40687] Time for some HB
by "Rod Cerkoney" <rwc@frii.com>
- 33) [40688] Need a rig
by EBikales@aol.com
- 34) [40689] Shortwave on regens
by "Ian C. Purdie" <purdic@integritynet.com.au>
- 35) [40690] transceiver TAUNTON
by "andre tarte" <andretarte@hotmail.com>
- 36) [40691] Re: Masthead Transceiver??
by david fouchey <dafouchey@home.com>
- 37) [40692] Kenwood TS-850 Low Power Adjustment
by "Mike Rhodes" <weightdn@bright.net>
- 38) [40693] Re: Feeding a multi band loop (cloud burner) with balanced line
by ac5ez@webtv.net (Larry B)
- 39) [40694] NC20 low audio?
by "Steve/n0tu" <n0tu@webaccess.net>
- 40) [40695] Re LED Night Light
by Joseph Mikuckis <k3chp@erols.com>
- 41) [40696] Did someone have a NC20 4Sale?
by Mark Sailer <msailer@msailer.rhic.bnl.gov>
- 42) [40697] My personal Dayton
by PDouglas12@aol.com
- 43) [40698] CANADIAN QRP SPRING BOUQUET--- FLOWER STATION SKED (May 17th --May

23rd)

- by Earl Murphy <earlmurf@telusplanet.net>
- 44) [40699] Re: Re LED Night Light
by "Mike Yetsko" <myetsko@insydesw.com>
- 45) [40700] Re: Microprocessors imbedded in radios
by Laura Halliday <lha@sdr.utias.utoronto.ca>
- 46) [40701] What's in a name?
by Karl.Kanalz@optelinc.com
- 47) [40702] Re: Do you know how awesome Japanese QRPers are?
by Randy Randall <RANDALLR@Healthall.com>
- 48) [40703] Sad news about Bob Gobrick
by PDouglas12@aol.com
- 49) [40704] Ultra Cheap Labels/Enclosures
by Bruce Kizerian <kizerian@ced.utah.edu>
- 50) [40705] Re: Re LED Night Light
by Jeff Grudin <grudin@pacific.vdbs.com>
- 51) [40706] Thanks Travle Advice
by E L D <wd7y@pyramid.net>
- 52) [40707] Re: Do you know how awesome Japanese QRPers are?
by "John Russell" <longjohn@revealed.net>
- 53) [40708] QRPppp....
by Michael Maiorana <mikemo@ibm.net>
- 54) [40709] RE: Dummy Load
by Larry East <w1hue@amsat.org>
- 55) [40710] WBL Design's Phone Number
by "Kevin F. Glynn" <kfglynn@prodigy.net>
- 56) [40711] Red Hot Radio
by RADIO OAKLAND <w6abc@yahoo.com>
- 57) [40712] RE: Dummy Load
by Randy Randall <RANDALLR@Healthall.com>
- 58) [40713] RE: Dummy Loads (again...)
by Larry East <w1hue@amsat.org>
- 59) [40714] DXpedition to CY0 - St Paul Island
by Hank Kohl K8DD <k8dd@contesting.com>
- 60) [40715] Suoper-het regen
by "Steven Weber" <kd1jv@moose.ncia.net>
- 61) [40716] Bob Gobrick
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 62) [40717] Re: CW Net tonight May 18, 1999
by Chuck Adams <adams@ticnet.com>
- 63) [40718] WTB: old lightning arresters
by ka7you@juno.com
- 64) [40719] QRP-L CD's...where are we in the process?
by Blackpug1@aol.com
- 65) [40720] Re: Dummy Loads (again...)
by "Mike Yetsko" <myetsko@insydesw.com>
- 66) [40721] FS: DK9SQ 33' mast
by Allan G Taylor <k7gt@qsl.net>

- 67) [40722] Re: QRP-L CD's...where are we in the process?
by Chuck Adams <adams@ticnet.com>
- 68) [40723] Re: CW Net tonight May 18, 1999
by "Samuel A. Falvo II" <kc5tja@dolphin.openprojects.net>
- 69) [40724] anti hiss mod
by william h ross <k6mgo@juno.com>
- 70) [40725] 2N2222 Parts Sources
by PDouglas12@aol.com
- 71) [40726] FCC number of vanity
by "Kory Hamzeh" <kory@avatar.com>
- 72) [40727] Ten Tec Pegasus
by Jeff Gold <JGold@tntech.edu>
- 73) [40728] QRP+ - dial creep
by Brien Pepperdine <pepperb@gov.on.ca>
- 74) [40729] FS: Unbuilt Norcal 40A - Club version
by N9DD@aol.com
- 75) [40730] RE: QRP+ - dial creep
by Dave Barrett <DBarrett@creo.com>
- 76) [40731] Re: FCC number of vanity
by Joe Pardue <W50S@jep.com>
- 77) [40732] Re: anti hiss mod
by RangerSF5@aol.com
- 78) [40733] June 19 & 20 N5C SES Chaco Canyon
by jaywa5whn@juno.com
- 79) [40734] Re: List of Shortwave Stations (regen's)
by Laura Halliday <lha@sdr.utias.utoronto.ca>
- 80) [40735] RE: G-30 grid dip meter info needed
by "Alex Mendelsohn" <ai2q@ispchannel.com>
- 81) [40736] SW40/30+ Modification Parts
by "Frank Matthews" <fmathews@pilot.infi.net>
- 82) [40737] RE: Questions (2)
by "Alex Mendelsohn" <ai2q@ispchannel.com>
- 83) [40738] DK9SQ 33' mast SOLD
by Allan G Taylor <k7gt@qsl.net>
- 84) [40739] K2 at Rochester?
by Bill B Lazure <n2tpa@juno.com>
- 85) [40740] Re: FCC number of vanity
by mwattcpa@earthlink.net (Marty Watt)
- 86) [40741] FOXHUNT RESULTS
by "Paul R. Valko" <prvalko@oakland.edu>
- 87) [40742] CQ KB0REI: Lost your address
by "W. K. Hibbert" <wb2vuo@juno.com>
- 88) [40743] Super Het Regen
by "Steven Weber" <kd1jv@moose.ncia.net>
- 89) [40744] Dayton Recap?
by "Chris Cieslak" <ccieslak@law.uiuc.edu>
- 90) [40745] Re: Sad news about Bob Gobrick
by "Richard Arland" <r_arland@hotmail.com>

- 91) [40746] Internet Online Ordering Caveat
by Theodore Wong <wong_th@eng.printronix.com>
- 92) [40747] Re: Internet Online Ordering Caveat
by Ron Stark <ku7y@dri.edu>
- 93) [40748] psk31 foxhunt?
by "Michael A. Gipe" <mgipe@reliablemeters.com>

Date: Mon, 17 May 1999 16:41:27 -0700 (PDT)
From: John Scott <kk5vh@yahoo.com>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [40656] nc20 problem
Message-ID: <19990517234127.12989.rocketmail@send205.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Greetings Guys and Gals,

I am usually pretty good at trouble shooting but this one is twisting my tail. So here is my tale -

I have a oscillation that occurs after each dit or dah that is keyed and it puts the audio circuits to the stops. The CHIRP for lack of calling it anything else will blow your eardrums out if you are not ready for it.

Here are the things I have done to isolate it:

The oscillation is by the receiver circuits only. Here's how I know.

I shorted AGC-2 to gnd (I have the AGC mod in place) then transmitted one dit.

The receiver oscillates continually - LOUD tone out of the audio.

The frequency of the tone can be adjusted with TC6 (zero beat frequency) and can be killed by turning VR3 for maximum attenuation (no rf allowed into the front end).

If the AGC-2 line is not shorted then I get a LOUD screech with each dot and dash that lasts until the AGC is high enough to stop the oscillation (lasts for the AGC attack time).

The oscillation will also continue even with the mute line pulled low (it kills the audio but not the oscillation).

I have yet to find any incorrect parts placement (I have really

looked but you never know).

So.... Any gud thoughts about how to fix my pretty little NC20
so I can get on the air??

Tnx ahead of time..

John KK5VH

Do You Yahoo!?

Free instant messaging and more at <http://messenger.yahoo.com>

Date: Mon, 17 May 1999 17:01:39 PDT
From: "James Apple" <wb1dog@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [40657] Feeding a multi band loop (cloud burner) with balanced line
Message-ID: <19990518000140.15768.qmail@hotmail.com>
Mime-Version: 1.0
Content-type: text/plain; format=flowed;

I just upgraded my 80 meter full wave horizontal loop to use balanced line (450 ohm) for the first 50 feet then coax (bury-flex) for the last 20. At the transition I'm using a w2du 1:1 balun. I expected this to be a upgrade for the system, less loss etc, but my tuners now only find a match only on 15 meters. When the antenna was feed with all coax I could get a good match on all bands. Even on 15 I seem to only get to about 3:1. I have tried both a LDG tuner and the internal tuner in a TS-570, they both just give up right away. I put a Autek RF-1 on it and it just reads "H" which I think is > 20:1. With coax I never saw > 10:1.

I'm suspicious of the balun, I went with a 1:1 because I figured at some freq's the impedance would already be very low. But now I'm wondering if anyone else have tried this configuration or is a 4:1 balun the answer. Or maybe the balun is bad, if while the RF-1 is connected I ground one side of the balun, the swr drops ? I don't know why I even tried this test, but I've tried about everything.

Any help would be great, over all with a ICE balanced arrestor, ladder line, loc, knife switch and balun this was about 200 dollar "upgrade".

Thanks in Advance

Jim Apple (WB1DOG)

Get Free Email and Do More On The Web. Visit <http://www.msn.com>

Date: Mon, 17 May 1999 20:11:23 -0400
From: "Paul Christensen" <paulc@mediaone.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [40658] Ten-Tec Pegasus Pictures!
Message-ID: <004401bea0c2\$f6be0360\$0b098118@se.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The Ten-Tec Pegasus pictures are up at the bottom of my web page. These were taken at Dayton Hamvention '99.

<http://www.qsl.net/w9ac/>

-Paul, W9AC

Date: Mon, 17 May 1999 18:02:57 -0700
From: Brian Chesire <BCChesire@worldnet.att.net>
To: paulc@mediaone.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [40659] Re: Ten-Tec Pegasus Pictures!
Message-ID: <3740BC41.56F7C65C@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Is that A "KNOB" and Key pad I see in the top picture. My, you just disappointed a bunch of people, if it's hooked up to the Pegasus!! HI!
Brian WA5PPO
Tucson, AZ

Date: Mon, 17 May 1999 21:08:11 -0400
From: "Frank Matthews" <fmathews@pilot.infi.net>
To: <jaevans@codenet.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [40660] Test
Message-ID: <00a801bea0ca\$e8cadf00\$190c61d1@fmathews>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Test

Date: Mon, 17 May 1999 18:30:26 -0700
From: "Samuel A. Falvo II" <kc5tja@dolphin.openprojects.net>
To: qrp-l@lehigh.edu
Subject: [40661] Sked tonight is off...
Message-ID: <19990517183026.A1245@dolphin.openprojects.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Due to scheduling conflicts, my skeds with N6VZ and others tonight is OFF.
There's just no way I can be home before midnight tonight... :-(

=====

KC5TJA/6		- TEAM DOLPHIN -
DM13		Samuel A. Falvo II
QRP-L #1447		http://www.dolphin.openprojects.net
Oceanside, CA		

Date: Mon, 17 May 1999 20:02:10 -0500
From: "Todd Foster, KD5FUF" <tef96a@timon.acu.edu>
To: <qrp-l@Lehigh.EDU>
Subject: [40662] re: Desert Ratt Questions
Message-ID: <001601bea0ce\$1b5b0690\$4816fc96@bartleby>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bryan,

That's a great idea, asking questions about the Desert Ratt receiver; you're starting at a level just about fundamental enough for me to understand, too! If the world was digital, life would be a lot simpler. Boring, perhaps, but simpler. I saved your e-mail as "rattelmer1" and intend to keep an eye out for the replies. I'll second your request for explanations/guidance: yet another good learning experience for many of us! I'll be following along with great interest.

--Todd Foster, KD5FUF

(also waiting for more announcements about the novice-band slow-speed CW net :-)

Date: Mon, 17 May 1999 08:46:19 -0500
From: "Charles Hamel" <cdhamel@pdq.net>
To: "QRP List" <qrp-l@Lehigh.EDU>
Subject: [40663] CW Net tonight
Message-ID: <001101bea06b\$a7358540\$f819dfd1@cdhamel>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi all,

 Since Samuel will not be around to hold the CW Net tonight!! I will still be looking for any slow CW contacts on the Novice Bands---say at 10:30 CST on 7110-7125.

Will be looking forward to making some contacts!!

Charles
KC5DXQ - Norcal Zombie - HQRP

Date: Mon, 17 May 1999 21:53:07 -0400
From: "JEFFREY MICHAEL POULIN" <jpoulin@erols.com>

To: <qrp-1@lehigh.edu>
Subject: [40664] TS-940S: Thanks
Message-ID: <199905180153.VAA27400@smtp1.erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang: Many thanks for all the responses about turning the TS-940S down to QRP levels. I informed my buddy about the results last night and he said he would give it a try. Apparently he forget (today) that he had the power down to 5 watts from his usual 100W. It wasn't until a regular contact on a traffic net mentioned that his signal was down SLIGHTLY from the norm that he realized he never adjusted the power up again. He went on to make several QSOs at low power, including some DX. He thinks this is neat stuff (he absolutely right!!) and I believe we have a convert, at least part of the time, to QRP. This has been a good day!!

Thanks again.

72, Jeff KF4JSV QRP-L # 743 FISTS # 5497
Manassas, VA

Date: Tue, 18 May 1999 11:57:01 +1000
From: "Ian C. Purdie" <purdic@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [40665] RE: Mitchell Lee KB6FPW
Message-ID: <3740C8ED.EE38D4C1@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Folks,

Everyone knows I have been endeavouring to locate Bob Burhans the author of a number of excellent articles on Active Antennas etc.

Reviewing again an article (H/R 5/86) I have sent to Greg AK7Y, I noted that Bob thanked the Avionics Engineering Center at Ohio University for use of test equip. (a possible employer?) AND Mitchell Lee, KB6FPW for tests in interference environments.

Would someone way over there kindly check out if Mitchell is still with us?. An email address would be nice and I would be eternally grateful.

If my first post re Amateur help (AM radio station at Oakham) seems to be that I was conned then I apologise unreservedly to one and all for wasting time and bandwidth.

Thanks folks,
73's and cul

Ian

Date: Mon, 17 May 1999 20:57:16 -0500
From: "Walter Dufrain" <walter@inlink.com>
To: <wb1dog@hotmail.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [40666] Re: Feeding a multi band loop (cloud burner) with balanced line
Message-ID: <000f01bea0d1\$c694c480\$7d6ac4ce@nexar>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jim, congrats on upgrading the 80 mtr horz. loop.

A couple of items in your posting are things that I have avoided, ie 1:1 baluns and a feedline less than a quarter wave with the 450 feedline, cut for the lowest band which is 80 meters. It is nice to include the vel. factor of the feedline but usually it is a quarter wave minus 3% will get you in a good length.

If coax feeding, you might want to consider using a 4:1 current balun and keeping the coax as short as possible. A second suggestion is to use coax as a parallel feed and attach directly to the ladderline, without using a balun, but you must use the built-in balanced output of your tuner. To me, the worst case of swr is the thing I want to tame, and the 4:1 seems to be the better choice for an 8 band operation.

Did not see the length of the loop mentioned, however, my best horz. loops are cut $984 / F \text{ MHz}$, with the frequency being 3.5 MHz. They seem to tune easy for the 8 bands of cw and ssb portions. This formula works for below 35 - 40 feet and above that elevation then $995 / F \text{ MHz}$. The antenna books, no names mentioned, have preached $1005 / F \text{ MHz}$ for years, but I could never figure out how the authors got it to work for them, it never did for me.

Hopefully, you have a 4:1 balun or can borrow one and can just substitute it for the 1:1 and check out the system.

Good luck and hope you will report your progress, 73,
Walter Dufrain, AG5P Wright City, Missouri

<<<snipped>>>

upgraded my 80 meter full wave horizontal loop to use balanced line
>(450 ohm) for the first 50 feet then coax (bury-flex) for the last 20. At
>the transition I'm using a w2du 1:1 balun. I expected this to be a upgrade
>for the system, less loss etc, but my tuners now only find a match only on
>15 meters. When the antenna was feed with all coax I could get a good
match
>on all bands. Even on 15 I seem to only get to about 3:1. I have tried
>both a LDG tuner and the internal tuner in a TS-570, they both just give up
>right away. I put a Autek RF-1 on it and it just reads "H" which I think
is
> > 20:1. With coax I never saw > 10:1.

Date: Mon, 17 May 1999 21:11:05 -0500
From: sda <sda@bellsouth.net>
To: qrp-1@Lehigh.EDU
Subject: [40667] Do you know how awesome Japanese QRPers are?
Message-ID: <199905180159.VAA13931@mail4.lig.bellsouth.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang:

Holy cow. I was browsing some Japanese QRP sites tonight and my mind was totally blown. I was compelled to add 12 new pics to my "pics" page (<http://www.qsl.net/k4msw>), and I just sit in AWE of these fellows. Check this page out:

<http://www.intio.or.jp/jf10z1>

Simply awesome.

72

Todd Atkins, K4MSW
Baton Rouge, Louisiana

<http://www.qsl.net/k4msw>

Date: Mon, 17 May 1999 22:17:52 -0400
From: mikemo@ibm.net
To: qrp1 <qrp-1@lehigh.edu>
Subject: [40668] RATT regen circuit question
Message-ID: <3740CDD0.B9FDE7A9@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The "regeneration" pot on the Desert Ratt is labeled 100k. I'm assuming that when the total resistance is 0 ohms that regeneration is minimum (zero feedback) . Well I used a 10 turn 100K pot and mine starts to break into oscillation at around 1/10th of a turn (1k ohm). There is almost no change as you increase it past this point. Does this sound right? Should I use a 5k pot?

Also mine is getting BLOWN AWAY by broadcast anywhere near 7 MHz (sounds familiar ;-) I've heard the same station through most of my upper tuning range. I guess it is blowing right past my tuned circuit. Well, at least now I can say the "Hail Mary" in Spanish ;-)

Regards and SQUEEEEEEEELL!!!
72 de ku4qo, Mike Maiorana, Palm Harbor, FL

Date: Mon, 17 May 1999 22:30:34 -0400
From: "Chuck Mabbott" <crmabbott@mediaone.net>
To: "QRP-L" <qrp-1@Lehigh.edu>
Subject: [40669] Looking for N8KIJ
Message-ID: <006f01bea0d6\$68613880\$4600000a@mw.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

John,
If you read this, please respond to me privately continue
QRP discussion and can't find your e-mail.
73,

Chuck AA8VS
MI-QRP #M1212

Date: Mon, 17 May 1999 22:40:30 -0400
From: "Paul Craig, Jr." <n3ysi@easy-pages.com>
To: <wb1dog@hotmail.com>
Cc: "qrp-l" <qrp-l@Lehigh.EDU>
Subject: [40670] Re: Feeding a multi band loop (cloud burner) with balanced line
Message-ID: <004b01bea0d8\$80db7a40\$0e5ac597@760223503>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jim,

I use a 75M looper fed wid 450 ladder, no coax, no balun, no problem tuning on all bands with manual tuner and all but 160 with auto tuner in icom 737a. Is a great ant on20M. Good luck!

72 de n3ysi

Paul in Quakertown, PA

----- Original Message -----

Date: Mon, 17 May 1999 22:58:40 -0400
From: "Greg Heath" <KB2QQM@email.msn.com>
To: "QRP-L (SENDING ? TO QRP-L)" <qrp-l@Lehigh.edu>
Subject: [40671] :RE.. Regens....Pipsqueak
Message-ID: <049265659021259CPIMSSMTPU10@email.msn.com>

Has anyone built the Pip-squeak Regen? I am having trouble finding a 200 pf variable cap.

I have the more common 365pf. Does anyone know where I can attain such a beast, other than yanking out plates out of the one I have? or better yet..is it possible to just change the inductance of the coil from 15 turns to ? and the tickler winding to ?? to tune the same part of the band....point me in the right direction. I started building the pip-squeak ugly style..what fun. I only need the cap and one diode...a 1N34A, and then to find a big ugly box.

Greg

Date: Mon, 17 May 1999 22:37:11 -0500
From: "jim" <aa0xj@ia.net>
To: <qrp-1@Lehigh.EDU>
Subject: [40672] G-30 grid dip meter info needed
Message-ID: <00bd01bea0df\$e13d6180\$027878c7@covz>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I found a G-30 Grid Dip Meter at a garage sale this weekend for a buck! It looks new, came with six probes (sense antennas?), but no instructions on it's use. I have been told that a GD meter is a very good tool to have around and I'd like to find some instructions for it.

I will gladly pay for copying and mailing costs and wouldn't object to a person adding a dollar or so to thier QRP fund. :-) E-mail me direct please to aa0xj@qsl.net

The name on the meter says KNIGHT. Tnx James

Date: Tue, 18 May 1999 03:46:20 GMT
From: mwattcpa@earthlink.net (Marty Watt)
To: qrp-1@lehigh.edu
Subject: [40673] Formatted QRPTTF report -- long!
Message-ID: <3740e164.299719@mail.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Thought I'd reformat this for a little easier reading for the group.

QRPTTF 99 -- N4DD

By KM7W

Being the furthest member of Team N4DD, my QRPTTF started early. I had =
560
miles and a time change ahead of me! As I headed for the TN/VA/NC =

border, I realized I was leaving the TN/AR/MS border (10 minutes away as opposed to= 10 hours away!). Don't guess there is extra multipliers for "borders run = away from". I did make contact with a couple of Middle Tennessee QRPers on = the trip up. They would be operating from Maury County, at around 1100 ft.

Arrived at BaseCamp Kingsport later than expected, but still relatively on time. Thought about camping, but thunderstorms made the EconoLodge (TM) = seem much more attractive. The wakeup came early.

Like any good QRP outing, food is the number one priority. After paying homage (and well over \$8.65) at the shrine of the Golden Arches (TM), we = were on our way. Luckily the Arches (TM) were directly across from N4DD's = antenna farm. The Taco Bell (TM) wasn't open at that hour.

Two four wheel drive pickups transported the crew to the site. We drove = up the interstate from Kingsport, Tennessee, exiting toward Damascus, = Virginia. Up and over the ridgeline, following the narrow gauge rail trail = (Virginia Sleeper?). Cross the Applachain Trail a couple of times.

=46rom there, the description from the corner marker survey report is = probably most accurate:

PROCEED ALONG VA ROUTE 726 FOR ABOUT 1.6 MI (2.6 KM) SOUTH FROM US 58 AT = WHITE TOP GAP (THE WASHINGTON-GRAYSON VA. COUNTY LINE) TO WHITE TOP COMMUNITY = (AT THE OLD RAILROAD CROSSING), THENCE WEST ALONG VA ROUTE 755 FOR ABOUT 0.7 = MI (1.1 KM) TO END OF STATE MAINTENANCE, THENCE THROUGH GATE (USUALLY = UNLOCKED) SOUTHWEST AND SOUTH ALONG A ROAD GENERALLY FOLLOWING A RIDGE (THE = TENNESSEE VALLEY DIVIDE) FOR ABOUT 2.25 MI (3.62 KM) TO AN OLD ROAD AND STATION ON = THE RIGHT, APROXIMATELY 50 FEET WEST OF THE NEW ROAD, ALONG AN OLD FENCE. = SITE IS ABOUT 0.5 MI (0.8 KM) SOUTH OF DR. SHIVES RESIDENCE ABOUT ON TOP OF THE

HIGHEST POINT ON POND MOUNTAIN.

And boy howdy -- what a "residence" it is at the top of the ridge! Last heard, it was for sale (with 100 acres) for \$250,000. Worth every penny = in my book ... Probably 2,000 square feet on two levels, glass all 'round, 340 degree unobstructed view. 25kW generator housed about 150 yards away, = all utilities underground. But not on the corner ... only on the border (Tennessee/North Carolina).

The 40 mile drive took 2 hours. We arrived with a couple of hours to go before the contest began. Finding we had over 800 ft of wire, Dennis = (N4DD) and Dan (N4ROA) constructed the Tri-state MegaLoop (TM), fed it with = ladder line, and started fishing for tree limbs. Only one antenna-eating tree = was spotted, and after many engineering efforts, we managed to keep the loop = out of the tree (or rather remove the loop from the tree!). The thicket of thistles under the tree were not friendly in our efforts. The = combination of the antenna-eating tree and the people-eating thistles were mighty in = battle, but we overcame them.

The card table was set up on the "Dim Road" next to the fence row, = technically in Tennessee. The battery was placed directly on the stone which housed = the corner marker. The antenna traversed all three states. I would have = used my camp chair, but my camp chair was left in my car, at BaseCamp Kingsport.

Setup completed with 15 minutes to spare. Amazing how QRPers can stretch activity to fill the available time. The bugs were amazing. My bug = spray was left in my car, at BaseCamp Kingsport.

Top rate was about 20 Qs/hr. Spent most of the time calling CQ, swapping between Dan's Kents and my WBL's. Dennis brought the Benchers, but we = were already familiar with those, so the other two got good use. The = secondary objective of the trip was to test the 115 AH battery with the Omni V. = The setup worked superbly, and we figured the battery will last a complete =

field

day. Dan carried a 36 AH battery and solar panel as a backup. We did =
have to
quickly rig a connecting cable for the WBLs, though. My Phono Plug to =
stereo
jack cable was left in my car, at BaseCamp Kingsport.

The OMNI V operated like a dream. The receiver was very nice, and the =
QSK
could not be beat. Working with a speaker (as well as phones) was a nice
contest change. The keyers were superb -- an MFJ as well as a CMOS II of
Dan's. My CMOS II was left in my car, at BaseCamp Kingsport.

By 4:00pm local we had a bunch of contacts in the log, and Cam showed in =
the
non-North American DX column. Perhaps the thrill of the day was working =
a G0
station across the pond. 40 seemed to be the band of choice, although 20=
ran
well and we all were relieved when 15 produced some contacts west of the
Rockies about mid afternoon.

During the contest, while someone kept the station manned, we drove up to=
the
"Residence" at the top of the mountain (Pond Mountain, Ashe County, North
Carolina). What a majestic place. 4,927 ft elevation. Three or four =
trips
up there with us in different combinations. I swear sometimes we could =
hear
the morse echoing through the hills from the contest station. CQ TEST =
QRPTTF
de N4DD N4DD TTF ...

I'm sure some of the guys out west had bigger elevations, but I suspect =
we
took the east-of-the-Mississippi River altitude award. We had direct =
line of
sight to the three other tallest peaks in the Eastern US -- Mt. Rodgers
(Virginia), Clingman's Dome (Tennessee), and Mt. Mitchell (North Carolina=
and
highest point in the Eastern US).

Mid afternoon I realized I was getting sunburnt. It was cloudy, but our =
4,628
ft. elevation (3,500 ft above average terrain) did a number. I was even
wearing a mock turtle neck shirt with long sleeves. My hands and face =
were
burnt, and I spent the next week fighting sun poisoning. Lesson =

learned.

Use sunscreen, needed or not.

After the contest we struck the Tri-state MegaLoop (TM) and began reeling wire. Ever reeled 800 ft. of wire? N4ROA will tell you it ain't easy, = and we even had a secret weapon.

Once the station was secure, we began the long journey home, getting back= to civilization (Abingdon, Virginia) and the Burger King (TM) about 10:00pm local. Being the cheapskate that I am (aren't all QRPers basically = cheap?), I decided to forgo an hotel room, and instead drove immediately back to = Memphis and home, arriving at 6:30am Sunday morning. My 36 hours had covered Tennessee from corner to corner. Lots of operating time (I had the slow = code at about 23 wpm) for all, and lots of fun. Politicians in Tennessee are = fond of "representing all Tennesseans, from Mountain City to Memphis", but I = doubt many have driven it twice in 36 hours!

While the "borders" theme has perhaps run its course for QRPTTF, I still = hope some sort of "border" field operation recurs. It is a great deal of fun = to get outside with friends and share the "border" experience.

Some may have scored higher than us, but I seriously doubt more fun was = had by any.

=46INAL SCORE =3D __820__ X _65__ X __4_ X ____ X _3__ =3D =
_639,600__ PTS

QS0 Pts SPCs Location DX Borders

--

72 es 73 de Marty, KM7W

Memphis, Tennessee =

<http://home.earthlink.net/~mwattcpa>

VE -- NorCal #2031 -- ARCI #7514 -- QRP-L #0953 -- AK/QRP #098 -- Grid =
EM55ce

CODE WARRIOR(c) #29 -- Mobile CW -- "Taking Code on the Road with a =
Vengeance"

Member -- Tennessee Contest Group

Date: Mon, 17 May 1999 20:56:03 -0700
From: "John J. Waldburger" <n7zmg@seanet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [40674] NC-20 Chirp
Message-ID: <3.0.3.32.19990517205603.00775e30@seanet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRPer's

I'm just getting around to putting together my NC-20... so far so good up to and through section 12. I must admit I didn't pay much attention to all of those postings about Chirp.. in fact I was even sure what they were talking about. I think I know now.

When I key the rig there is a little pop after almost each element is keyed... is that the dreaded chirp? If not what is it. It is very annoying I have replaced Q1 & Q9 with 2N5457's . Next time I'll save all of the postings for reference!

This is my first posting so I hope I have done it properly.

Thanks in advance.

John
N7ZMG

Date: Mon, 17 May 1999 22:02:16 -0400
From: "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etcasa.cu>
To: <qrp-1@LeHigh.EDU>
Subject: [40675] Fw: QRP HALL of FAME CONGRATULATIONS !
Message-ID: <000701bea0e3\$36f99820\$04000a0a@inforhc>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Arnie Coro C02KK
Host of Dxers Unlimited
Radio Habana Cuba
e-mail:arnie@radiohc.org

e-mail:inforhc@mail.infocom.etecsa.cu

Postal address:

Prof. Arnaldo Coro Antich

La Torre no.127 entre 35 y 37

Nuevo Vedado, Plaza

Ciudad Habana , 10600

CUBA

-----Original Message-----

From: Prof.Arnaldo Coro Antich <acoro@infomed.sld.cu>

To: qrp-L@LeHigh.EDU <qrp-L@LeHigh.EDU>

Date: Monday, May 17, 1999 1:19 AM

Subject: RE: QRP HALL of FAME CONGRATULATIONS !

>CONGRATULATIONS !

>For the well deserved induction to the QRP

>HALL OF FAME

>Dave, Paul and LB

>You three surely deserve the great honor

>for all your great contributions to the

>development of amateur radio all around the

>world !

>Your friend in Havana

>

>Arnie Coro C02KK

>Host of Dxers Unlimited

>Radio Habana Cuba

>e-mail:arnie@radiohc.org

>e-mail:inforhc@mail.infocom.etecsa.cu

>Postal address:

>Prof. Arnaldo Coro Antich

>La Torre no.127 entre 35 y 37

>Nuevo Vedado, Plaza

>Ciudad Habana , 10600

>CUBA

>

Date: Mon, 17 May 1999 22:09:39 -0400

From: "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>

To: <qrp-l@LeHigh.EDU>

Subject: [40676] Fw: Dummy loads designs wanted

Message-ID: <000801bea0e3\$38062620\$04000a0a@inforhc>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

To: qrp-L@LeHig.EDU <qrp-L@LeHig.EDU>
Date: Monday, May 17, 1999 9:43 AM
Subject: RE: Dummy loads designs wanted

My favorite dummy load for low power work is made using 10 resistors of 510 ohms at 1/2 or 1 watt. They, of course, must be carbon types, NOT WIREWOUND (elementary my Dear Watson, as Sherlock Holmes liked to say),

The resistors are placed between two disks made of PC board material, again look for the best here... with practically NO LEADS. I have one with a BNC connector, another one with a PL and yet another one... with two short flying leads connected to alligator clips (OK, I agree, this should not be done, but in many occasions it allows you to test a low power output stage without the need of a specific connector.

My loads with the typical 510 ohm resistors at 5 % tolerance fall anywhere between 49.5 to 52.7 ohms, and the ones made with 1/2 watt resistors will handle 5 watts carrier for about 90 seconds without overheating. The units made with 1 watt resistors handle twice as much power.

DO remember to place the resistors close together, but leaving an air space between them...

This type of load can be made with other value of resistors too, but the 510 ohms 5 % is the ideal value for a 50 ohm termination.

The SWR measurements with professional instruments show VERY GOOD TERMINATION up to the 2 meter amateur band, and useable as a load for tests even at 432 MHz.

If you want more power dissipation , then you may try to place the complete assembly in a small can full of high quality transformer oil....but then THAT's NOT QRP !

The 50 ohm termination built in this way does radiate !

I have full access to the local 145.190 repeater
with the "DUMMY" load connected to the
Handie-Talkie !!!!

It is a very useful "instrument" for the
homebrewer and experimenter, and as you see
it would not cost much...(actually it is
really part of an instrument, as I use
it with a diode detector and voltmeter to
complete one of the most useful gadgets
at C02KK's workshop.. Same "dummy load"
connected to specific filters of known
bandwidth are very "illuminating" especially
when you don't happen to be fortunate enough
to own a spectrum analyzer) By that I mean
that output power measured at a dummy load
is the integration of ALL THE RF energy
delivered to the load, NO ONLY what you
want as output... So by placing a nice
filter, to shave the second harmonic by
say 20 dB (easy to do), you have a very
good idea of what you are delivering to the
load in the form of energy at the
operating frequency .. The dummy load does require careful construction to
obtain best results at the higher frequencies.

Arnie Coro C02KK

Host of Dxers Unlimited

Radio Habana Cuba

e-mail:arnie@radiohc.org

e-mail:inforhc@mail.infocom.etecsa.cu

Postal address:

Prof. Arnaldo Coro Antich

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Nuevo Vedado, Plaza

Ciudad Habana , 10600

CUBA

Date: Mon, 17 May 1999 22:13:03 -0600 (MDT)

From: "Paul Harden, NA5N" <na5n@rt66.com>

To: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [40677] Desert Ratt Circuit Questions

Message-ID: <Pine.SUN.4.10.9905172053380.11315-100000@shell.rt66.com>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 17 May 1999, Brian.Buydens@usask.ca wrote:

> What I am planning to do is break the radio down into finer
> and finer pieces until every component is explained.
> If it isn't I am wondering if someone would be willing to indulge my
> questions privately.
>
> Here Goes:

NOTE: Component designations are those from the Desert Ratt on the
NorCal website ... www.fix.net/~jparker/norcal/hamcom/regen.htm

> C1, C2 - Antenna coupling

Yes, DC isolation from the antenna and to provide some Hi-Z coupling.
Also, if you want, add an inductor of 1-2uH between C1-2 and ground to
make a high-pass filter (somehow got omitted when I drew the one that
ended up on the NorCal website). This will "roll off" the gain below
about 3-4MHz to reduce AM broadcast interference.

> Q1, R1 - RF Amp.

Q1 is an untuned amplifier, meaning it will amplify everything on it's
base, from about 3-4MHz (if high pass filter installed) to over 100MHz.
R1 is what forward biases the base to about 0.8V (just above cut-off)
to give it as large a dynamic range as possible. Gain will be 8-12dB,
depending on the gain (hfe) of Q1. This is not a good amplifier
design - just a real cheap and easy one,

> S1, LED, R18 - Power switch and indicator

S1 is the power switch.
LED and R18 serves no purpose except to make it glow in the dark :-)
If your LED is too bright, increase the value of R18. If too dim,
decrease the value.

> Q6, Q7, Q8 - It says +2V regulator but how does this work?

This particular Desert Ratt was designed for someone who had a whole
bunch of PNP's he wanted to use, so this is where I used them! You can
use three diodes to ground also. Each diode (or transistor junction)
drops about 0.7V. Therefore, 3 in series will drop about 2V ... so it's
a very cheap "poor man's" 2 volt regulator, or 2V zener diode. The
current through the diodes is set by R5 150K.

You could also replace the diodes/transistor with a resistor, to make a 2 resistor voltage divider, with the first resistor, R15 (150K) dropping 7V (from the 9V supply), leaving the desired 2V.

WHAT VALUE OF RESISTOR WOULD YOU NEED TO DO THIS?

The only problem with this scheme, is the 2V would get lower and lower in voltage as your battery weakened. It wouldn't take much before Q2 failed to work.

Q2 - the regen stage - operates off this tiny 2V. This is what gives this particular regen circuit a very smooth regenerative action. This scheme was designed by Charles Kitchin, N1TEV, and it quite clever.

> C3, C4, RFC1, - Regen Stage. This looks like a Hartley osc.

C3 couples the energy from the RF amplifier into the regen stage. It should be a fairly small value so the impedance of the regen stage doesn't "load" it down.

C4 is the tuning capacitor. It is across the full windings of L1 to make a parallel L-C tuned circuit. To find the frequency of the tuning, using the $F_r = 1/(2\pi * \sqrt{LC})$ equation, calculating it for the minimum and maximum capacitance values of C4. Of course you need to have an idea what the value of L1 is too!

> R2, L1, C5, Is it really?

R2 is the collector load resistor for the Q1 RF amplifier. The value is what determines the gain, along with the hfe of Q1.

L1 is the main tuning inductor. See above

C5 is where the feedback occurs. R3 (the regen control) determines the amount of current going through Q2. The higher the value, the more resistance in the emitter, and the larger the signal that will be developed across R3 ... which is then squirted directly back into the tuning coil L1 via C5. This is feedback, and the more feedback, the higher the gain that will result. Of course a point is reached where the feedback will through Q2 into self-oscillation, converting it immediately from an amplifier into an oscillator. The trick is to increase the amount of feedback for the highest possible gain, JUST PRIOR to it going into oscillation.

> Q2, C6, R3, R4

Q2 is the regen stage.

C6 is part of the feedback network.

R3 is the regeneration control (see above)

R4 applies the 2V to forward bias the gate. The high values of R4 and R5 bias Q1 at a very low current value to conserve battery power.

> R5 2 33uF caps. - Power supply filtering?

R5 sets the very low current for making the 2V and the current for Q1. The 33uF caps are power supply filtering, the first to keep the 9V constant with current changes due to the changes in the audio detected, and the second 33uF filters the 2V bias. They can be any electrolytic of 4.7-10uF or larger.

> C7, C9, C10, - Coupling between stages

C7 couples the high gain RF signal into Q3, an emitter follower (More on this in a minute)

C9 couples the detected audio from D1 into the Q4 audio amplifier, and keeps the dc voltage on Q4 base off the diode so it doesn't become reversed biased and not detect weak signals.

C10 couples the audio to the Q5 audio splitter, and keeps the +9v on the top of R9 from going to ground through the volume control R10 instead of transistor Q4 (where it's kinda needed to make it work!)

> R5, R6, C8 - Emitter follower detector This includes an amp.
> Q3, R7, D1 and a diode detector?

When regen stage Q2 and L1 is at it's high gain point, it is a high impedance amplifier, which gives it it's high Q. To put any load on it, like a detector diode, will load down the Q2 stage, reducing it's gain potential and lowering the Q (selectivity) of the circuit. Therefore, I added an emitter follower Q3 to act as a Hi-Z to Lo-Z buffer between the regen stage and the detector. R5 and R6 bias Q4 for class A (it's conducting all the time). The signal comes from the emitter, not the collector. The same level of RF voltage (ac) on the Q3 gate will also be across R7. No amplification, but it does present very little load to Q2, and R7 becomes the source impedance for the D1 detector diode. If you don't use a germanium diode, that is say you use a 1N914/1N4148 silicon diode, you might want to drop the value of R7 to 1.5-2K to drive D1 with a lower source impedance.

If you want to be a real AM detector efficiency neophyte, make R7 a 5K trim pot and adjust for maximum gain ... which occurs when R7 is the characteristic impedance of D1 and the C9/Q4 load.

D1/C9 is the simplest of AM detectors to save parts. Between D1 and C9, you can also add a low pass filter (usually a resistor and a cap to ground to remove things >5-6KHz or so) and RF filtering to make it a more efficient filter. These types of enhanced AM detectors can be found in the ARRL handbook, etc.

> R8, R9, Q4 - 1st stage of audio amp.

Yes. Again, not the best amplifier design, just a very simple, cheap one by the self-biasing of R8 and no emitter resistor. You can build a "proper" audio amplifier here, with bypassed emitter for higher gain and better fidelity. Remember, this is a minimum parts radio, that makes some real "engineering" shortcuts you would have flunked the test in college over. But it works!

> R10 - Volume control

Yes. It can be any value from 2K to say 50K.

> R12, R11, R13 - Signal splitter. Does it also amplify?

> R14, Q5

This was an experimental circuit I designed in for someone once, and not really intended to be published. But it does work. It splits the signal between the emitter and collector, which is why R13 and R14 are at the same value. The signals at the emitter and collector will be 180 degrees out of phase, and thus drives the LM386 in the differential mode. This will effectively produce about 6dB of additional gain. Although, Q5 itself offers little gain.

You could run the output of R10 volume control, through C11, to pin 3 of the LM386 (and ground pin 2) to omit this stage. If you find the BBC to be a bit anemic, then add the Q5 stage or another audio amplifier circuit. The values of R13-R14 aren't real critical, just as long as they are the same (down to 2K would probably work OK, except draw more current).

> R16, C14 - ?

R16 places a 1K load on the LM386 input to help keep it from "motor-boating" as the difference signals from Q5 goes through zero. This is optional and may not be needed in all cases.

The current going through U1 will vary with the audio. On strong signals, the current can cause an internal voltage drop to U1 to toss it into a low frequency oscillation, often called "motor-boating", as it sounds like an idling motor boat. R15 and C14 forms a filter to attempt to keep the internal voltage drop from being too severe. If it still motor boats, increase the value of C14 up to 100uF to keep the dc voltage on pin 6 relatively constant.

> U1 - Amp.

The famous LM386, available at Radio Shacks for a buck or so. An LM380 can also be used. These two devices are used because they are designed for driving a low-Z load (like an 8 ohm speaker) while a regular op amp or transistor amplifier is not.

> C15, C18, R17 - ?

C15 sets the gain on the LM386 (the LM380 does not have this feature). Inside the LM386, there is a resistor that biases a differential amplifier. The lower the value of this resistor, the higher the gain. So this C15 is a bypass capacitor across this internal resistor that lowers its value at ac (audio) frequencies and increases the gain. The effective value of C15 is 2.2uF (for a little extra gain) to a maximum of 10uF for the full potential gain of 46 dB.

R17-C16 is a low pass filter that reduces some of the "hiss." It is optional, and sometimes takes some piddling with R17 to get it right.

The output of the LM386 on pin 5 is biased at $1/2V_{cc}$, or in this case, will be 4.5V with no signal. C17 isolates this dc voltage from the speaker. Otherwise, you'd have an 8 ohm resistor (the speaker) from $1/2V_{cc}$ directly to ground. This will shutdown the internal LM386 amplifiers and kill your battery in a few tens of seconds! So it keeps this $1/2V_{cc}$ bias to the LM386.

C17 can be any value around 10uF or higher. The higher the value, the more ac voltage coupled to the speaker, and the lower the frequency that will be passed. Thus, the 100uF cap shown will pass quite a bit of the "bass" components of the audio. Might help offset the squeel!

> Once I am sure I am on the right track I would like to ask more detailed
> questions...

Hope this answers most of your questions. Did you learn anything?

Seriously ... build the Desert Ratt (or other regen) and get it working, pretty much as shown. Now you have a nice simple platform to do some playing around. Change the value of the coupling caps between stages and see what happens (does it improve the fidelity or the gain, or make it worse?). Try different transistors in the Q2 regen stage. I have found MPS918's to be the best. Try different diodes for D1 or different AM detector schemes. Add a 2nd diode as the voltage doubler trick and see what happens. Try different schemes of winding L1 and on different forms for the highest Q (selectivity). Playing around is the best way to learn.

GL and 72, Paul NA5N

Date: Mon, 17 May 1999 21:49:50 +0100
From: "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [40678] Re Penfriend appeal
Message-ID: <000401bea0e6\$bb309c80\$f2ea5cc3@prsat0x1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks to all who replied, I'm overwhelmed! I am passing the replies to Danny to read and he will no doubt reply to at least some of them. Maybe one or two will also be read by his sister Katrina.

I might explain, I asked for any youngsters to reply via this very helpful list, partly because it is just that and also I did want to make sure I got genuine replies, knowing what an odd selection of folk frequent the net! Anyway, thanks for the replies and please excuse my using the list for a non radio, non QRP topic!

.....
Frank G3YCC G QRP 042, G QRP Sales Officer.
QRP web page <http://www.karoo.co.uk/g3ycc/>

Date: Tue, 18 May 1999 01:06:45 -0400
From: hamjoel@juno.com
To: qrp-l@lehigh.edu
Subject: [40679] wire rope addition.... works... 30mtrs..
Message-ID: <19990518.010646.-213463.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

hi y'all:

boy is my cajun mama happy tonite:
earlier today I went out and lowered the "baton rouge" the big red dowl that's holding up my antenna and put a reflector for thirty meters 20ft away from the forty mtr driven element...

Yea,I kneaux, it an't supposed to work using the 40mtr driven element on thirty...but don't tell that to G3LGW... he gave me a 56 to 58 rst... on thirty meters... I guess I'll go and add a director tomorrow...

while I am at it I might just reverse the elements on 40mtrs and see if there is some dx to be worked on forty... up above the 25K mark... it's truly "mazing what wide spacing on the elements did for forty meters... at 5 watts I get 59 reports on a regular basis and that's ssb... course now it'll be 'cross the pond....

stay tuned
joel kella
in maine
turning into a maine-e-ack :-)

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Date: Tue, 18 May 1999 01:17:54 -0400
From: hamjoel@juno.com
To: qrp-l@lehigh.edu
Subject: [40680] wire rope ect
Message-ID: <19990518.011755.-213463.1.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

hi

add dj8qp to the list that didn't kneaux the ant wasn't supposed to work... 569 rst

joel, eating crawfish and grinning

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or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 17 May 1999 23:26:38 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: mjfitz@uswest.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [40681] Shortwave on regens
Message-ID: <Pine.SUN.4.10.9905172318100.11802-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Mike KI0AF is right. You haven't lived until you've listened to an exciting soccer match on Radio Australia in pidgin english between two island nations you've never heard of. You don't get that on ESPN!

72, Paul NA5N

Date: Tue, 18 May 1999 01:00:54 -0400
From: Russell Hines <radioruss@fuse.net>
To: n5em@flash.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [40682] Re: Masthead Transceiver??
Message-ID: <3740F406.E0BDA8EA@fuse.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ed Manuel, N5EM wrote:

>
> I know folks who love in a deed-restricted subdivision but live next to a
> wooded area.

That's interesting, because I know folks who live in a deed-restricted subdivision but love in a wooded area.

We should get these people together. ;-)

73,
Russ
WB8ZCC

Date: Tue, 18 May 1999 07:56:58 +0200
From: "Hans =?ISO-8859-1?Q?Sundstr=F6m"?= <hans.sundstrom@telia.com>
To: <kk5vh@yahoo.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [40683] SV: nc20 problem
Message-ID: <199905180557.HAA20416@d1o22.telia.com>

Hi

Check the 1N914 diodes.

I am helping a couple of friends that have also built the NC20. One of them had this problem. He had turned one of the diodes the wrong way around. If I remember i right it was the D17.

hope this helps.

Hans / SM4ATJ

-----Ursprungligt meddelande-----

Fr n: John Scott <kk5vh@yahoo.com>

Till: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Datum: den 18 maj 1999 01:43

mne: nc20 problem

>

>I have a oscillation that occurs after each dit or dah that is
>keyed and it puts the audio circuits to the stops. The CHIRP
>for lack of calling it anything else will blow your eardrums out
>if you are not ready for it.

>

>The receiver oscillates continually - LOUD tone out of the
>audio.

>The frequency of the tone can be adjusted with TC6 (zero beat
>frequency) and can be killed by turning VR3 for maximum
>attenuation (no rf allowed into the front end).

Date: Mon, 17 May 1999 23:00:50 -0700

From: Gary L Surrency <gsurrency@juno.com>

To: kk5vh@yahoo.com

Cc: qrp-l@Lehigh.EDU

Subject: [40684] Re: nc20 problem

Message-ID: <19990517.230253.-4191713.0.gsurrency@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

The RF from the TX is getting thru the RX circuits and overloading the product detector at U4. Put D9 and its associated components back in and the problem should got away. If not, then your AGC is not reducing the RX

gain enough during TX, so you should investigate the AGC circuits.

Also, if the TX bandpass filters are mis-adjusted there will be excessive spurious content on the output signal which would be difficult to keep out of the RX. Be sure to finely tune TC8 and TC9 at output levels of about 2-3 watts so the TX signal is clean. You **must** have two peaks on these trimmers, or there is a problem with the toroid inductors and the number of turns or wire spacing.

I described this condition several weeks ago here on the list, so perhaps you missed it. Some rigs are more prone to this problem than others, depending on overall RX gain and TX power output. Your rig may have an exceptional RX or high TX output, or both! This "whoop" only seems to happen at power levels of 5 watts or so, but both my prototype and the final kit will do it if D9, etc., is not re-installed or left intact instead of being removed and replaced with a jumper wire as per Dave's last AGC mod.

The frequency of the "screech" will vary according to the adjustment of TC6, indicating that it is originating inside the NE602 at U4. We all know how subject to overload that little chip is. The AGC circuits and T/R switching have to be working well to prevent such overload, especially if the RX stages are "hot", and the crystal filter has low-loss, and/or the TX has high output.

72, and gl.

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

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Date: Mon, 17 May 1999 23:12:39 -0700
From: Gary L Surrency <gsurrency@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [40685] NC20 problem
Message-ID: <19990517.231251.-4191713.1.gsurrency@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

On Tue, 18 May 1999 07:56:58 +0200 "Hans =?ISO-8859-1?Q?Sundstr=F6m" ?=
<hans.sundstrom@telia.com> writes:

>Hi
>
>Check the 1N914 diodes.
>I am helping a couple of friends that have also built the NC20. One of
>them had this problem. He had turned one of the diodes the wrong way
>around. If I remember i right it was the D17.
>
>hope this helps.
>
>Hans / SM4ATJ

This is an excellent suggestion, too. Follow the PCB silk screen to be sure of *all* diode placements in the AGC and PIN diode circuits.

Also, check the the 1N914 diodes at the front end, D5-D8. They are essential to the T/R switch isolation between the TX output and the RX input. Be sure they are installed correctly and not open circuited.

72,

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

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or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 18 May 1999 01:20:22 -0500
From: Jim Ek <JIM-EK@worldnet.att.net>
To: "'Low Power Amateur Radio'" <qrp-l@Lehigh.EDU>
Subject: [40686] Questions (2)
Message-ID: <01BEA0CC.9CA0A9A0@109.chicago-07.il.dial-access.att.net>

Just decided a couple of days ago to try to earn a license so I could try QRP. I'm going to go for taking the Morse Code part of the exam when the time comes.

Off the Internet, I picked up "MorseCat" for learning CW. It has a feature for practicing sending. But you need some type of key that wires into the game port.

I have no electrical talent, and the last time I tried to build something electronic was 20 some years ago. So I'm not about to build something to connect into the game port of my computer and possibly blow it (the computer) past kingdom come.

Does anyone on the list have any idea of what kind of key and connection I need and where I can purchase such an item?

NEXT QUESTION:

I'm a guy without a short wave radio. I know that there are practice sessions out there so that a person can monitor and practice receiving code. Is there a unit available, maybe even in a kit form (providing it has very easy to follow and complete instructions) that I could use now, and would be usable to me in the future for QRP. My only goal for this moment in time in Amateur Radio is to do QRP.

Let me put it more intelligently. Where can I find a dang cheap receiver that has the capability to monitor CW practice sessions now, and later be able to use it for QRP, without it being a redundant piece of equipment.

Date: Tue, 18 May 1999 00:53:17 -0600
From: "Rod Cerkoney" <rwc@frii.com>
To: "qrp-1" <qrp-1@Lehigh.EDU>
Subject: [40687] Time for some HB
Message-ID: <00a201bea0fb\$20bc4f40\$108611d8@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Folks:

I've had good luck with the kits I've built, honing my construction skills. Now its time for the next level--homebrew. I'm looking for some ideas for useful, fun and challenging projects. The Desert Ratt is already on my list.

My goal is to develop the skills to craft boards & boxes to house the stuff I build. Not to mention debug skills. I also want to develop my "circuit knowledge" by understanding what I've built and why it works; to the point where I can envision mods to improve or alter performance and functionality.

One day, in the distant future, I hope to be able to design and build my own cool stuff, approaching what Paul H., Dave B. Wayne B. and many others have

accomplished. (I can dream. ;-)

72/3 Rod, N0RC
Fort Collins, CO
arrl, qrp-l, qrp arci, fists, norcal, cqc
da di dah

Date: Tue, 18 May 1999 03:27:54 EDT
From: EBikales@aol.com
To: qrp-l@lehigh.edu
Subject: [40688] Need a rig
Message-ID: <ea31dc29.2472707a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi,
I'm looking for a dependable, very small, 20M QRP rig to take to the UK with me. An SST would be perfect. One with a built-in keyer would be even more perfect. Must be assembled, no time to build a kit. Got any ideas? Please email me.
EBikales@aol.com
AC6NT

Date: Tue, 18 May 1999 17:58:48 +1000
From: "Ian C. Purdie" <purdic@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [40689] Shortwave on regens
Message-ID: <37411DB8.95847177@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Boy, I live in Oztralia (beautiful downtown Budgewoi N.S.W. right by the sea). I didn't know our Radio Oz was that exciting. Maybe I better get with the regen construct scene also.

73's

Ian

Date: Tue, 18 May 1999 01:10:12 PDT
From: "andre tarte" <andretarte@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [40690] transceiver TAUNTON
Message-ID: <19990518081012.48639.qmail@hotmail.com>
Mime-Version: 1.0
Content-type: text/plain; format=flowed;

Well the hello to All,

I would want to contact (via Internet) some users of kit TAUNTON SPERHET
TRANSCIVER (WALFORD ELECTRONICS).

Thank you beforehand.

72/73

Andr ON5UP/QRP G-QRP CLUB NR 6524

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Tue, 18 May 1999 06:08:51 -0400
From: david fouchey <dafouchey@home.com>
To: radioruss@fuse.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [40691] Re: Masthead Transceiver??
Message-ID: <37413C33.65FD4CDA@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Who said Henny Youngman was dead....

Russell Hines wrote:

>

> Ed Manuel, N5EM wrote:

> >

> > I know folks who love in a deed-restricted subdivision but live next to a

> > wooded area.
>
> That's interesting, because I know folks who live in a deed-restricted
> subdivision but love in a wooded area.
>
> We should get these people together. ;-)
>
> 73,
> Russ
> WB8ZCC

Date: Tue, 18 May 1999 07:15:37 -0400
From: "Mike Rhodes" <weightdn@bright.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [40692] Kenwood TS-850 Low Power Adjustment
Message-ID: <001101bea11f\$e64e45a0\$28278fd1@weightdn>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Greetings,
Is there an adjustment inside the Kenwood TS-850 to set the lower power
level to something under the factory level of about 10 watts or do I have to
do the ALC thing?
Thanks.

Mike / W8DN

Date: Tue, 18 May 1999 06:52:39 -0500 (CDT)
From: ac5ez@webtv.net (Larry B)
To: qrp-l@Lehigh.EDU
Subject: [40693] Re: Feeding a multi band loop (cloud burner) with balanced line
Message-ID: <156-37415487-21497@postoffice-111.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)
Content-Transfer-Encoding: 7Bit

Jim
A full wave loop has a feedpoint impedance of 100 ohms so you need a 2:1

balun to transform that down to the 50 ohm range. Feed it with coax all the way and it will work on 80 m with no tuner needed.

Or If you prefer not to use a balun , use a q section of 75 ohm coax as a matching transformer then 50 ohm coax to the rig.

For all band operation, dont use a balun, just feed it with ladder line to a good tuner.

K1zw

Date: Tue, 18 May 1999 06:52:27 -0600
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>
Subject: [40694] NC20 low audio?
Message-ID: <00ae01bea12d\$4edc1900\$7ea8a3cc@S&P.www.webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey NC20 gurus,

I'm just finished step 13 and the rx works!! Yesssss!

But w/audio(volume) up full I can barely here the noise floor
...reminds me of my SST!

I suspected my audio section when I finished the tick and afa cuz they too were kinda weak. I have them cranked full and they're not loud by any means! If I short out R56 (47k) I get a big improvement on rx noise and afa/tickbut it's still not 2 watts worth of audio. Voltages seem close enuff in the AF amp. At U5 pin 3 ...I get 5.3V instead of 6.7V like on pin 2? I've checked and rechecked values on the components in pre af amp and the af amp? Any thoughts? Where do I look now? My Oscope doesn't see much there either (could be the operator)

Thank you in advance most honorable and wise NC20 guru(s) the student is ready!

TU & 72/73 ...Steve/n0tu-Monument,CO
<http://www.webaccess.net/~s&p/HRindex.htm>

Date: Mon, 17 May 1999 01:14:13 -0400
From: Joseph Mikuckis <k3chp@erols.com>
To: qrp-l@Lehigh.EDU
Subject: [40695] Re LED Night Light
Message-ID: <373FA5A5.2B6A@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The human eye is most sensitive to the green-yellow spectrum under conditions of high level ambient illumination. Under low level ambient illumination the sensitivity shifts towards blue. This is known as the Purkinje Effect, implying that bluish, and not red, light source would be most suitable for night illumination.

73 de Joe, K3CHP
Riverdale, MD

Date: Tue, 18 May 1999 09:07:40 -0400
From: Mark Sailer <msailer@msailer.rhic.bnl.gov>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [40696] Did someone have a NC20 4Sale?
Message-ID: <3741661C.F44E384E@msailer.rhic.bnl.gov>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Did someone post a NC20 for sale in the last few days?
If so and it's still available, could you Email me directly.

TNX
Mark N2JTW

Date: Tue, 18 May 1999 09:28:12 EDT
From: PDouglas12@aol.com
To: qrp-l@lehigh.edu
Subject: [40697] My personal Dayton

Message-ID: <8debd12c.2472c4ec@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang,

Two years ago, I burned out on Dayton. Too much; too little, too many; too few. But I came back this year. I think you really don't want to compare the various symposia offered in several regions nowadays; they are all wonderful experiences. I got to Atlanticon this year, and it was quite a show and it was done so well, I just wouldn't know how to make it better.

The FDI program at Dayton is still unique in its size, scope and length. We had 150+ hams pony up ten bucks for the Thursday symposium to hear Hall of Fame level talks, superb written materials, and rub elbows with the big boys.

For me, as a paying customer, I got much more than my money's worth; and that was the strong prevailing attitude among the attendees. I got to meet and sit next to my hitherto long distance friend and hero Jim Kortge. He has a great sense of humor, and he takes my ribbing about his building skills (perfection) with a broad smile. This added day, in front of the three day Dayton Hamvention, was the original brainchild of Bruce Muscolino and the late, much missed Bob Gobrlick. I did get a chance to say a few words about Bob at the symposium, and I am proud to have been associated with him and the other members of the first FDI. We were the first such program in the USA, and the first in the world of this scope dedicated to QRP. I have been told there were such programs in Europe, but I do not think they were on this scale. (They weren't whole day, dedicated QRP programs.) I'd be glad to be corrected, but at least we were first here.

The banquet was good food, great talk, and the HoF inductees had big smiles. Three very deserving guys. Very.

The flea was huge, as usual. I bought parts, stuff, computer components, T-shirts, software, junk, little pocket 440 rigs (2) and more junk. I spent about \$500; don't tell Sharon.

I met Eric Swartz of Elecraft. He says the first commercial run of K2s nearly sold out even before Dayton, but he had a few left to sell. I think he probably did sell them all at Dayton. I was rooting for him. I have a vested interest in their success. My K2 is expected to ship in the next week or so. Yeah. Plus, don't let the sellout inhibit you from sending an order. They plan to do production runs, according to Eric, about a month apart, now that they are off the ground. Some guys were proudly wearing shirts with K2's on them instead of little alligators. These beta testers were the most enthusiastic unpaid advertising I ever saw.

When the FDIM powers-that-be heard that I wasn't entering my 2N2/40 in the homebrew contest, I was drafted to serve with Phil Spect and Rev. George Dobbs as a judge. That was hard work, folks. Some of the projects were so good it was scary. We took the time to admire all of the projects. I think we three did a fair job of deciding, despite the difficulty. One funny anecdote. Bob Kellogg's wife (sorry, Bob, I don't know her name) was wonderful. She came up to me to apologize. "For what?" I asked. Well, she said, she'd looked at Jim Kortge's two 2N2/40s and Bob told her mine (on display, but not in contention) was the same rig. At which point she asked what was wrong with me. :-)

Tom W2RFU, my long suffering friend and Dayton roommate (he comes to FDIM, but he really isn't dedicated to QRP) spent some part of the weekend collecting literature from manufacturers of linear amps to show around the QRP hospitality suite. I told him he is an embarrassment, which, of course, only encouraged him. I noticed a number of guys looking at the literature with Tom. Sigh.

Tom's daughter, who is an award winning news photographer and who has gone back to OU for her masters drove in from Athens, OH to meet us and photograph the "dweebs." If you saw a pretty girl at the DIS taking pictures, that was she. If she gets some good shots, I'll try to put them up on my little web page, or give them to guys with more megs of room.

I got to meet with some of my fellow ARCI officers/board--not a formal meeting. We talked over the state of the Union and noted that FDIM is underwritten by ARCI--it will cost us some money this year--for those who don't know it, we don't break even on FDIM, what with the hospitality/meeting rooms, the banquet, and the symposium, despite the fees. Do you hear that? We lose money on FDIM, even with the fees that are charged. We are lucky to have Ken Evans as Sec/Treas of the club. He knows his beans, is conscientious, and thorough. Having the information from him makes the job of running the club for the benefit of its members much easier.

So, did I have a good time. You bet.

Preston WJ2V

Date: Tue, 18 May 1999 07:39:45 -0500

From: Earl Murphy <earlmurf@telusplanet.net>
To: qrp-canada@lists.gpfn.sk.ca
Cc: qrp-1@lehigh.edu
Subject: [40698] CANADIAN QRP SPRING BOUQUET--- FLOWER STATION SKED (May 17th -- May 23rd)
Message-ID: <37415F91.4B9D@telusplanet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang:

Well, not many Flower Stations on this week, but look for the following:

May 19...VE6EWM(Earl)...AB...40M(7.040+-)...CW.....01:00Z--03:00Z

May 22...VE5QRP(Bruce)..SK...20/15/10M(qrp freq)SSB..19:00Z--21:00Z
(Starting 14.285)

If anyone wants a DATE/TIME as Flower Station, just give the required minimum 24hrs and post.

For more info on this event: <http://www.rac.ca/qrpcan.htm>

Have a pleasant week everyone and 72...Earl(VE6EWM) Look for me tonite on 40M.

Date: Tue, 18 May 1999 09:42:15 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <k3chp@erols.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [40699] Re: Re LED Night Light
Message-ID: <007e01bea134\$3fd445c0\$9001a8c0@mikey>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>The human eye is most sensitive to the green-yellow spectrum under
>conditions of high level ambient illumination. Under low level ambient
>illumination the sensitivity shifts towards blue. This is known as the
>Purkinje Effect, implying that bluish, and not red, light source would
>be most suitable for night illumination.

>

>73 de Joe, K3CHP

>Riverdale, MD

I don't think it's so much of an issue as to what is the best for visibility in low light conditions, as to what degrades the human eye performance the least after exposure. Chrysler used to put a 'blue-green' light in their dashboards. Worked excellent with very little light, and if you looked straight ahead into the headlight projection after looking at instruments, it was fine, but looking to the side your night vision was compromised. On a moonlit night, you could drive (carefully of course!) with the lights off, but look at the dash and you were blinded.

If you had red light, I don't think the dash would be as easy to see, but you could look back at the outside without having your night vision destroyed.

As to 'blueish' lights being better, isn't that the point of the new 'arc' headlights coming from germany?

Mike Yetsko
N1DVJ

Date: Tue, 18 May 1999 09:53:40 -0400
From: Laura Halliday <lha@sdr.utias.utoronto.ca>
To: qrp-l@lehigh.edu
Subject: [40700] Re: Microprocessors imbedded in radios
Message-ID: <3.0.6.32.19990518095340.007ae760@madrox>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The 64 Euro question is, of course, To Do What?

Like all solutions, you use them to solve problems, not because they are cool and trendy.

I was reminded of this last night when I had a look inside my newest radio and was amazed at its incredible mechanical complexity. They were cleaning some stuff out of a lab at school and I asked about the "old radio". They said that if I wanted it and could use it I could

have it. I tested it last night and it works, but needs a bit of TLC to be 100% again (clean out the dust, filter and bypass capacitors, touch up the alignment). The band switching is a huge arrangement of gears and cams to operate tuning slugs and select crystals. It works, very well, but the engineering seems to owe much to Detroit...

It even has a 455 kHz IF output, which already has me thinking of IF DSP, Costas Loop demodulators, and similar stuff. Again, to solve problems; not because they're cool and trendy. Even if they are. :-)

The "old radio"? Oh. It's a Collins 51J-4. Not bad for hauling it away, huh?

Laura Halliday VA3LDH "Que les nuages soient notre pied
Grid: FN03gs a terre..." - Hospital/Shafte

Date: Tue, 18 May 1999 08:53:48 -0500
From: Karl.Kanalz@optelinc.com
To: qrp-l@Lehigh.EDU
Subject: [40701] What's in a name?
Message-ID: <86256775.004CB21C.00@hdqsmtp01.optelinc.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

I thought that some, if not most, of you might find the following "interview" interesting, since a lot of us depend on Radio Shack for a lot of our goodies and building supplies.

Karl K - W8TIF
McKinney, Texas

----- Forwarded by Karl Kanalz/hdq/Optel on 05/18/99 08:54 AM -----

"Butch Kleinberg" <kleinber@nortelnetworks.com> on 05/17/99 07:06:51 PM

To:
cc:

Subject: What's in a name?

Did names like Radio Shack or Tandy ever give you the "warm fuzzies"?

INTERVIEW-Tandy considers a name change

May 14, 1999 8:03 PM EDT

NEW YORK, May 14 (Reuters) - Tandy Corp., which operates 7,000 Radio Shack electronics stores, is studying whether it should change its name to identify itself more closely with its well-known retail chain, the company's chief executive said on Friday.

"We're evaluating a name change. The Tandy name has not hurt us on Wall Street," Leonard Roberts, CEO and chairman-elect of Fort Worth, Texas-based Tandy, said in an interview. Even so, he acknowledged that the Tandy name is less familiar to its customers than the Radio Shack name.

Some of Tandy's own promotional materials refer to the company as Tandy Corp/RadioShack, but Roberts declined to indicate whether a change was definite.

Tandy was named after founder Charles Tandy, who expanded a leather business into a chain of craft and hobby shops. Tandy bought Radio Shack in 1963, when it was a bankrupt electronic parts supplier with nine stores in the Boston area.

Tandy spun off its non-Radio Shack properties, Tandycrafts Inc. (NYSE: TAC) and Tandy Brands Accessories Inc. (Nasdaq: TBAC), in 1975.

Tandy's shares have risen in recent months amid a strong sales performance by U.S. Radio Shack stores. The stock's rally also followed the sale of Tandy's Computer City stores to CompUSA Inc. and closing of its Incredible Universe appliance stores.

Radio Shack, which has prospered lately from selling cellular telephones and satellite dishes, is trying to fix the laggards in its product line -- radios and other audio-visual products.

Roberts was in New York this week for the announcement of an alliance under which Radio Shack to sell RCA-branded audio and video products, made by Thomson SA's Thomson Consumer Electronics. The deal involves setting up RCA

mini-stores inside Radio Shack outlets.

The RCA products will replace Tandy's Optimus private-label line of audio-visual components, most of which are made by Pioneer Electronic Corp. <6773.T > and other manufacturers.

Roberts said Tandy was looking to improve the "suboptimal performance" of the company's audio and visual segment. The goal is to duplicate its success with selling Sprint PCS (NYSE: PCS) wireless services and Compaq personal computers.

The RCA deal is particularly attractive because it could generate recurring revenues from subscribers of digital services.

Roberts said the alliance could spur double-digit sales growth of audio-visual products next year, while profit marg

Roberts said the alliance could spur double-digit sales growth of audio-visual products next year, while profit margins will be similar to those realized with the private-label brand.

Audio-visual products accounted for 15 percent of the Tandy's \$3.59 billion in 1998 sales.

On Friday, Tandy shares fell 1-3/4 to 79-7/16 amid a broad decline by U.S. stocks. That compares with a 52-week high of 85-15/16.

REUTERS

Date: Tue, 18 May 1999 10:05:54 -0500
From: Randy Randall <RANDALLR@Healthall.com>
To: sda@bellsouth.net, qrp-1@Lehigh.EDU
Subject: [40702] Re: Do you know how awesome Japanese QRPers are?
Message-ID: <s7413ba5.071@Healthall.com>
Mime-Version: 1.0
Content-Type: text/plain
Content-Disposition: inline

This guy must be single, no kids, and an engineer! WOW! Wish I had that much free time! Very cool!

Randy KB8AS0

Randy E. Randall
Network Engineer
The Health Alliance of Greater Cincinnati
3200 Burnet Ave. Room 4618
Cincinnati, Ohio 45229
Ph. 513-585-7146
E-mail randallr@healthall.com

>>> sda <sda@bellsouth.net> 05/17 9:11 PM >>>
Gang:

Holy cow. I was browsing some Japanese QRP sites tonight and my mind was totally blown. I was compelled to add 12 new pics to my "pics" page (<http://www.qsl.net/k4msw>), and I just sit in AWE of these fellows. Check this page out:

<http://www.intio.or.jp/jf10z1>

Simply awesome.

72

Todd Atkins, K4MSW
Baton Rouge, Louisiana

<http://www.qsl.net/k4msw>

!

!

!

!

Date: Tue, 18 May 1999 10:02:56 EDT
From: PDouglas12@aol.com
To: lyons@canada.com, QRP-L@lehigh.edu
Subject: [40703] Sad news about Bob Gobrick
Message-ID: <e4c85b99.2472cd10@aol.com>
MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jim and the rest of the Gang,

I am most unhappy to report here on the list what was announced at FDIM for the first time, that Bob Gobrick passed away last month after a battle with lung cancer. This the second of my QRP friends I have had to report on in this way, and I do not want any others of you out there to put me in the position of having to report similarly. You all please stay healthy, please.

Bob had cancer for the last year, but told none us. Bob and Bruce Muscolino originated and formed the first FDIM committee, thus creating the largest and first ever full day QRP symposium in the USA, and perhaps in the world on this scale. They drafted me and Paulette Quick that first year, and FDIM was a rousing success with about 100 attendees in 1996. It drew more than 150 this year. Bob wrote the club column for QRP Quarterly, was a frequent contributor to QRP-L, and was active in regional and local club activities. He was very proud of his dual Canadian/American calls, and I remember with a smile the fits he gave my first Dayton QRP-L badge database.

Bob's wife had asked us not to announce his death until after FDIM, as she preferred to deal with her private loss, privately. With the announcement at FDIM, however, the news is out and Bob deserves our recognition. While Bob's wife most definitely asked that we not call, especially concerning Bob's equipment for which she has ample advice, if you knew him, I expect a note would be OK--though she gave the impression she would not be comfortable with a flood.

Bob was an organizer, a friend, and a brave man. We lost a good one.

72,

Preston Douglas WJ2V

Date: Tue, 18 May 1999 08:04:08 -0600
From: Bruce Kizerian <kizerian@ced.utah.edu>
To: qrp-l@Lehigh.EDU
Subject: [40704] Ultra Cheap Labels/Enclosures
Message-ID: <37417358.627B5425@ced.utah.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Okay, here's my nickel. I would have replied when the label thread was hot, but the idea needed perfecting.

I make my labels (front panels) in AutoCad LT, using TrueType fonts. Any drafting software will do. All holes for the panel have a center mark, so I can punch them with my sheet metal hand punch after the label is attached. The labels are then printed on 24 lb paper. The lighter 20 lb paper doesn't look as good. Label color is only limited by the choices at your local office supply store. I chose Sun Yellow, because it was the the clear choice in an informal survey of young people in my neighborhood. (The first panels are for a easy to build AM broadcast band regen I am still working on). The labels are trimmed and attached to the panel with spray adhesive (Kodak or 3M). They are then laminated with clear packing tape--the kind used to seal boxes for shipping. I use Manco Crystal Clear. It comes in 4'' wide rolls. One roll will do a lifetime's worth of labels. The results look fantastic! Labels for less than a penny that look like a million bucks!

I attach my labels to double-sided copper clad PC board material. The circuit is built on the back ugly style. So far, soldering on the back of the panels with a Weller WCPT soldering station with a 800 degree tip has not discolored or harmed the labels in any way.

My panel is mounted on an appropriately cheap project box--a PVC electrical box. I am particularly fond of the nice blue ones made by Claron. I purchased these at a local chain hardware store for between \$.18 and \$.69 depending on the size and style.

When my circuit is perfected the back side of my panel will be etched--no holes, just pads and traces. This will simplify assembly and soldering.

I am also developing an easy to build code practice oscillator using the same techniques. Other simple kits will follow. This project is taking all my spare time--and then some. I hope to distribute these kits at cost. \$5.00 is my target. The radio might be more. The CPO could be less. The problem here is I may have to charge a bit more to feed my product development program. (If my hobby doesn't operate at a net loss the wife will be happier!)

I am happy to share information with (or accept help from)

anyone about this project. The boxes and panels really do look good and must be seen to be believed.

Until then...keep the homebrew fires burnin'.

Bruce kk7zz

Date: Tue, 18 May 1999 07:10:48 -0700
From: Jeff Grudin <grudin@pacific.vdbs.com>
To: k3chp@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [40705] Re: Re LED Night Light
Message-ID: <374174E8.F564AE2@vdbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Joe,

I believe the idea is not so much to provide you the best illumination, but to cause the least constriction of your pupil. If you are in the dark it takes about 20 minutes for your eyes to fully dilate. This allows the most ambient light to hit your retina, allowing you to see the best with no light. Using a red light allows the pupil to remain almost fully dilated, so that you can see when you look away from the light.

While a green-blue light would give better detail and allow you to see better, it would also cause your pupil to constrict. This would make it much harder to see when you look away.

Interesting Factoid: Nocturnal animals have a blue green layer in the back of their eye called the tapetum. The purpose of this layer is to amplify the ambient light entering the eye in dark conditions. This is why these animals don't have a red reflex in photo's like people, but actually have a green reflex.

--

73 de AC6KW <mailto:grudin@vdbs.com>
Jeff Grudin, DVM Web Add: <http://www.vdbs.com/~grudin>
Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California
Norcal QRP #1292 QRP-L #16 ARS #351 AR Qrp #131

Date: Tue, 18 May 1999 06:18:06 -0700
From: E L D <wd7y@pyramid.net>
To: qrp-l@lehigh.edu
Subject: [40706] Thanks Travle Advice
Mime-version: 1.0
Content-type: text/plain; charset="us-ascii"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks for info on my question, on travle to Canada.

Rod, Robert, Brian, Karl, Dave, John, Howard, and Niels.

It is nice to know that you can find answers to most any question you may have, right here on QRP-L.

Thanks again ED WD7Y

Date: Tue, 18 May 1999 09:26:42 -0500
From: "John Russell" <longjohn@revealed.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [40707] Re: Do you know how awesome Japanese QRPers are?
Message-ID: <003a01bea13a\$7421cd60\$63edf3d0@longjohn>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Look at the bio on the webpage - married, 4 children, and yes he is an engineer but not electrical, he is a mechanical engineer who just loves radio. I've exchanged email with him off and on over the past year or so and he is one of the nicest guys you'll ever meet. Ask him a question about anything he has built and he will send you a reply explaining it as best he can. Diffinitely one of my top 10 websites to visit. In fact I have most of his site on my hard drive already ;-)

John Russell

----- Original Message -----

From: Randy Randall <RANDALLR@Healthall.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Tuesday, May 18, 1999 10:05 AM

Subject: Re: Do you know how awesome Japanese QRPers are?

This guy must be single, no kids, and an engineer! WOW! Wish I had that much free time! Very cool!

Randy KB8AS0

Randy E. Randall
Network Engineer
The Health Alliance of Greater Cincinnati
3200 Burnet Ave. Room 4618
Cincinnati, Ohio 45229
Ph. 513-585-7146
E-mail randallr@healthall.com

>>> sda <sda@bellsouth.net> 05/17 9:11 PM >>>

Date: Tue, 18 May 1999 10:35:48 -0400
From: Michael Maiorana <mikemo@ibm.net>
To: qrp1 <qrp-1@Lehigh.EDU>
Subject: [40708] QRPppp....
Message-ID: <37417AC4.16365724@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Check out this little AM transmitter. 20 microwatts and no power supply.
<http://www.intio.or.jp/jf10z1/PLTX.htm>
This site is absolutely fantastic!

--

72 de KU4Q0, Mike Maiorana, Palm Harbor, FL

Date: Tue, 18 May 1999 08:49:24 -0600
From: Larry East <w1hue@amsat.org>
To: qrp-1@lehigh.edu
Subject: [40709] RE: Dummy Load
Message-ID: <3.0.3.32.19990518084924.0096da20@axp1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>From a recent post:

>

>But, seriously... I've had years of good service from my
>RS #21-506 dummy load, DC-500MHz, cylindrical heat sink
>design, rated at 15 W continuous and I've used it for a
>*lot* of SSB testing at 100W. (It may have a new part
>number now.) About 20 bux at RS.

>

Unfortunately, RS no longer sells these... seems like every time they get a useful item, they discontinue it! I have two of 'em ... one bought at their close out price of \$4.95 (wish I'd bought more!).

Anyway, four 200 Ohm 2W resistors in parallel work well. Just make sure they aren't wire wound! Some metal film power resistors are slightly inductive, but with four in parallel you'll hardly notice it below 30 MHz.

72, Larry W1HUE/7

Date: Tue, 18 May 1999 10:49:49 -0400
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: <qrp-1@Lehigh.EDU>
Subject: [40710] WBL Design's Phone Number
Message-ID: <199905181451.KAA35532@pimout3-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang,

Stan W9WBL's (WBL Design) phone number is 800-726-8936.

If you get a hold of Stan please ask about his straight key attachment deal for his paddles. I spoke with him a long time ago about this one, but haven't seen anything on it.

72 Kevin N2TO
Brooklyn, NYC
kfglynn@prodigy.net

Date: Tue, 18 May 1999 08:09:13 -0700 (PDT)
From: RADIO OAKLAND <w6abc@yahoo.com>
To: qrp-1@Lehigh.EDU

Subject: [40711] Red Hot Radio
Message-ID: <19990518150913.2682.rocketmail@web110.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Does anyone know if and when the Red Hot Radio version of the NorCal is going to be offered? The website indicated early April and no online updates since March. I emailed them for shipping dates and no reply.

73,
Jack

Do You Yahoo!?
Free instant messaging and more at <http://messenger.yahoo.com>

Date: Tue, 18 May 1999 11:11:47 -0500
From: Randy Randall <RANDALLR@Healthall.com>
To: w1hue@amsat.org, qrp-1@Lehigh.EDU
Subject: [40712] RE: Dummy Load
Message-ID: <s7414b24.057@Healthall.com>
Mime-Version: 1.0
Content-Type: text/plain
Content-Disposition: inline

I bought mine at R&L Electronics (Hamilton, Ohio.) under the Weltz (sp?) brand name for about \$20.00 10 or more years ago. I think they still carry it. It is the same as the RS one and I have abused it to 100 W (for a brief period) also with no damage. If you can still get one, grab it. It is a great little load.

Randy KB8ASO

Randy E. Randall
Network Engineer
The Health Alliance of Greater Cincinnati
3200 Burnet Ave. Room 4618
Cincinnati, Ohio 45229
Ph. 513-585-7146
E-mail randallr@healthall.com

>>> Larry East <w1hue@amsat.org> 05/18 9:49 AM >>>
>From a recent post:
>
>But, seriously... I've had years of good service from my
>RS #21-506 dummy load, DC-500MHz, cylindrical heat sink

>design, rated at 15 W continuous and I've used it for a
>*lot* of SSB testing at 100W. (It may have a new part
>number now.) About 20 bux at RS.

>

Unfortunately, RS no longer sells these... seems like every time they get a useful item, they discontinue it! I have two of 'em ... one bought at their close out price of \$4.95 (wish I'd bought more!).

Anyway, four 200 Ohm 2W resistors in parallel work well. Just make sure they aren't wire wound! Some metal film power resistors are slightly inductive, but with four in parallel you'll hardly notice it below 30 MHz.

72, Larry W1HUE/7

!

!

Date: Tue, 18 May 1999 09:14:19 -0600
From: Larry East <w1hue@amsat.org>
To: qrp-l@lehigh.edu
Subject: [40713] RE: Dummy Loads (again...)
Message-ID: <3.0.3.32.19990518091419.0096ed30@axp1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

OK, guess I was wrong about the RS dummy load no longer being available; it apparently can be obtained by special order. Good deal! (Not necessarily referring to the price, just that it's available.)

72, L.

Date: Tue, 18 May 1999 11:37:49 -0400
From: Hank Kohl K8DD <k8dd@contesting.com>
To: qrp-l@lehigh.edu
Subject: [40714] DXpedition to CY0 - St Paul Island
Message-ID: <4.1.19990518112512.0160ef10@192.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

May 22 I will be leaving for St Paul Island CY9. A small island 30 miles north of Nova Scotia. Since the island is an unmanned

lighthouse, we will be taking everything - no Days Inn, no Perkins restaurant!

Thursday May 27 (local Atlantic Time) I will be on 7035 to 7040 looking for QRP'ers.

Since CY9 is on the top 100 Needed Countries list, and I do not want to attract a QRO pileup I will be identifying the following way:

At approximately 20 WPM (slower/faster when required!) I will send my call (K8DD) immediately followed with the /CY9 at 55 WPM.

(20WPM +/-) K8DD (55WPM) /CY9

So if you hear K8DD and a little burp of data (!), it will be me on St Paul Island. If you send my call (not required) please do not use the /CY9.

And please do not spot me on the DX PacketCluster! I just want to give the QRP community an equal chance to work a new one.

If it does turn into a QRO pileup, and I seem to go away, look for me above 7040. As high as 7050.

The Thursday evening before CQ WPX CW from dusk East Coast time. And please try to work us in CQ WPX - the call then will be CY9RF.

I will be on the road this week until Friday, so no qrp-l or "home" email. I'll try to answer any questions Friday while I'm packing!

73 Hank K8DD

*/ Hank Kohl K8DD k8dd@arrl.net
*/ ARRL TS <http://www.tir.com/~k8dd>
*/ MI-QRP - Vice Pres. QRP-ARCI - Director
*/ G-QRP ARRL/LM QCWA/LM QCAO/LM

Date: Tue, 18 May 1999 11:13:24 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [40715] Suoper-het regen
Message-ID: <199905181557.LAA29148@moose.ncia.net>
MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Howdy,

Last night I adapted SM0VPO's simple one transistor regen detector to work on 455 KHz with an IF xformer. Then I added a NE602 mixer in front of it to make it a super-het. For convenience, dusted off the old 7008 DDS VFO to use as the LO.

Works remarkably well. Adding a second 455 KHz IF xformer gave it better selectivity -- connected the secondary to the 602, then top coupled the two xformers. The DDS is obviously over kill, but it was quick and easy, doesn't drift and I know where it's tuned to. One could also use the built in osc in the 602 for a L/C osc.

Tuned through the 40 Meter band and heard lots of CW stations, but it acts like a DC Rx, ie, you get a signal both sides of zero beat. Well, with no filter, it is a DC Rx of sorts and selectivity isn't as good as one might have expected.

But it does make a good SWBC Rx. Regen control is effectively "set and forget" and there isn't any hand capacitance effects. Now I'm thinking of building one into a transistor radio case. I found some in my junk boxes, but are too nice and old to hack into, although some have very nice tuning capacitors. So, might take a trip to Radio Shack or the department store to see what they have in cheap AM/FM radios to use a shell. They already have a speaker, tuning capacitor, volume control, and audio amp that could be used.....

Too bad I can't travel all the way to HamCom :-(

72,

Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Tue, 18 May 1999 09:13:54 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>
Subject: [40716] Bob Gobrick
Message-ID: <01bea149\$6d54a160\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Bob Gobrick was one of the first guys that I met when Jim and I went to Dayton in 1993 for the first time. I was impressed by his enthusiasm and positive attitude. Bob liked ham radio, and he loved QRP. I served on the board of directors of ARCI with Bob for two years, and he was an excellent board member. He did the revision of the constitution by himself, and did an excellent job of that thankless task. Bob and I had many, many spirited discussions over the years, some online, and he was always a gentleman and had many wonderful ideas. Bob and I had major differences of opinions, but he would always listen and evaluate my side and then do a wonderful job of presenting his viewpoint.

Bob Gobrick was a gentleman. I will miss him and so will ARCI. He was a doer. His legacy of FDIW will always be remembered by QRPers everywhere. Bob deserves credit for coming up with the idea of doing a compendium for QRP meetings which is a wonderful idea. He was the one who kept encouraging me to do one for Pacificon, and he was absolutely right, it is a needed part of a symposium. Thanks Bob, it was one of your many contributions. Bob also believed in giving local and regional clubs recognition through ARCI and worked very hard at doing so. His Club Happenings column in QQ was always informative and well done. I am saddened by his death, by the loss of a friend, and I know that QRPers everywhere feel the same. Peace be with you, old friend, on your final journey. 72, Doug, KI6DS

Date: Tue, 18 May 1999 11:16:15 -0500
From: Chuck Adams <adams@ticnet.com>
To: cdhamel@pdq.net
Cc: qrp-1@lehigh.edu
Subject: [40717] Re: CW Net tonight May 18, 1999
Message-ID: <3.0.3.32.19990518111615.006993d0@pop3.ticnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Since the time interval starts at 10:30 PM CDT this will be at a time tonight that I can get on the air also.

I will try 7.113MHz +/- QRM so all you Tech+/Novice guys and girls get on the air. I will use 18wpm character speed with spacing at whatever speed you are going. Consider it code practice. :-) If you learned using the ARRL CDs then you will have no problem and I will slow down if I feel you are struggling..... Promise.

I'll call CQ and put the MM-3 in beacon mode until I get a contact. Any other DSW-40's should make an attempt at this time for the first ever 2xDSW-40 QSO on the air.....

cul,

dit dit

-----snippet-----

> Since Samuel will not be around to hold the CW Net tonight!! I
>will still be looking for any slow CW contacts on the Novice Bands---say at
>10:30 CST on 7110-7125.

>

>Charles KC5DXQ -

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo> CP-60

Date: Tue, 18 May 1999 12:22:58 EDT

From: ka7you@juno.com

To: QRP-L@LeHigh.EDU

Subject: [40718] WTB: old lightning arresters

Message-ID: <19990518.084209.2807.2.ka7you@juno.com>

Greetings from Wetstern Washington.

I'm looking for a few of the old ceramic type lightening arresters for a small display of older radio gear-QRP ones will be fine :>)

If you have any to part with, let me know what you want for it/them.

I would also like to find a few pieces of the old braided wire used for outdoor antennas back in the 30's and 40's or before. I remember it as a kid (50's) and would like to add some to the display.

I'll pay reasonable costs and shipping etc for anything I can use.

The weatherman says we might break 60 degrees in the next few days, but it has been so cold, drizzly and overcast recently, that even my new GPS doesn't know where it is.

Thanks

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.

160M thru 1296 MHz-higher bands pending

ARCI-QRP #7251 QRP-L #844 NWQRP #120 NorCal #2007 and others

You don't need to buy Internet access to use free Internet e-mail.

Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 18 May 1999 12:31:24 EDT
From: Blackpug1@aol.com
To: qrp-1@lehigh.edu
Subject: [40719] QRP-L CD's...where are we in the process?
Message-ID: <5db19480.2472efdc@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Haven't seen any posting for the QRP=L CD. I'm assuming this is because of Dayton. Any updates?

Mike
KBORIA

Date: Tue, 18 May 1999 12:54:19 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <w1hue@amsat.org>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [40720] Re: Dummy Loads (again...)
Message-ID: <006e01bea14f\$63e08760\$9001a8c0@mikey>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>OK, guess I was wrong about the RS dummy load no longer being
>available; it
>apparently can be obtained by special order. Good deal! (Not
>necessarily
>referring to the price, just that it's available.)
>
>72, L.

Here's my understanding on how this works....

A LOT of the items that Radio Shack carries will be in the stores as an introductory item, then after some period of time, they fall back to RSU or special order. They are not discontinued, but have fallen back to a 'not-stocked' status. Some stores may in fact actually stock some RSU items.

When items fall back like this, MOST stores tread current inventory as discontinued items. Once depleted, then they are back to regular price as RSU.

I believe this is how some other items fell into RSU, like the VHF SWR meter, the digital oscilloscope, and other items.

It's GREAT if you can catch the stores when they are depleting their inventory.

Mike Yetsko
N1DVJ

Date: Tue, 18 May 1999 09:57:53 -0700
From: Allan G Taylor <k7gt@qsl.net>
To: qrp-1@lehigh.edu
Subject: [40721] FS: DK9SQ 33' mast
Message-ID: <37419C11.3D9A@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The apparent sale of the 33 ft DK9SQ mast fell through and is now available. To reiterate, it is the item sold by Kanga US for \$99. I need to sell it to fund another antenna toy! \$86 shipped to you. It has been QRPTTF tested!

Allan K7GT
--

	/	
	/	
Allan Taylor K7GT	/Z \	FISTS 3222 ARS 228
k7gt@qsl.net	/ /599 \	DXCC and WAS 40/cw
Pleasanton CA	/_ /____ __\	http://www.qsl.net/k7gt
...QRO, QRP, or barefoot.....	[\-----/	

Date: Tue, 18 May 1999 11:57:16 -0500
From: Chuck Adams <adams@ticnet.com>
To: Blackpug1@aol.com

Cc: qrp-1@lehigh.edu
Subject: [40722] Re: QRP-L CD's...where are we in the process?
Message-ID: <3.0.3.32.19990518115716.006a61b8@pop3.ticnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

Sorry for the delay on the CD, but due to computer system problems this was delayed, but I have sent out the CDs to the volunteers that will be making them for the gang so as not to put me in overload.

The archives are HTML'd up to the end of March on the CD, my stuff with all the pictures is HTML'd, VE3DNL's Elmer101 web page info is on the CD, and some other goodies.

So, standby while I wait on the volunteers to get their CDs and you guys and girls can get them. It is worth the wait.

I am also going to ask everyone to use the volunteers and not me for the CDs as I am spending a lot of time on CW CDs and will let you know later about those. I will have QRP-L CDs at HamCom and will announce the week before.

So hang on help is on the way....

dit dit

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo> CP-60

Date: Tue, 18 May 1999 10:08:32 -0700
From: "Samuel A. Falvo II" <kc5tja@dolphin.openprojects.net>
To: qrp-1@lehigh.edu
Subject: [40723] Re: CW Net tonight May 18, 1999
Message-ID: <19990518100832.A2813@dolphin.openprojects.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

> Since the time interval starts at 10:30 PM CDT this will be at a

> time tonight that I can get on the air also.

How far away from GMT is CDT? GMT-6?

> I will try 7.113MHz +/- QRM so all you Tech+/Novice guys and
> girls get on the air. I will use 18wpm character speed with
> spacing at whatever speed you are going. Consider it code
> practice. :-) If you learned using the ARRL CDs then you
> will have no problem and I will slow down if I feel you are
> struggling..... Promise.

Thanks for the notification. I will also try to be on the air at about the same time, assuming I can make it home in time. Running an ISP isn't all that it's cracked up to be... :-)

```
=====
      KC5TJA/6      |      -| TEAM DOLPHIN |-
      DM13          |      Samuel A. Falvo II
      QRP-L #1447   |      http://www.dolphin.openprojects.net
      Oceanside, CA |.....
```

Date: Tue, 18 May 1999 10:12:40 -0700
From: william h ross <k6mgo@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [40724] anti hiss mod
Message-ID: <19990518.101242.-195029.0.k6mgo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Somewhere I saw a link to G3YCC's mod to the LM386 audio chip to reduce hiss. It was adding two components, a 10K resistor and a 10n disc cap (I assume 10n is 10 pico fd?)

Anyway, I was wondering if this mod would help the LM380 in the NC20? And if it would, where would you hook it up? G3YCC shows it going from pin 8 of the 386 to the junction of a 220u electrolytic (connected to pin 5 of the 386) cap and the spkr.

Anyone have any ideas?

72,

Bill K6MGO

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 18 May 1999 13:14:36 EDT
From: PDouglas12@aol.com
To: Jim_Sweeden@beavton.k12.or.us, qrp-1@lehigh.edu
Subject: [40725] 2N2222 Parts Sources
Message-ID: <d1c2449.2472f9fc@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 5/18/99 12:16:02 PM Eastern Daylight Time,
Jim_Sweeden@beavton.k12.or.us writes:

>
> I'm looking for the crystals need in the 2N2/40. Can you give me
> information on where to get them? I see some in the Mouser Catalog that
> are 4.9152 MHz, will these work? If so should I order the series or the
> 20pF load capacitance? Thanks for your help.

>
Hi Jim,

I bought ten 4.915 crystals from Tech America. I do not think it matters whether you buy series or parallel for this purpose, but I think I used series. I built the test oscillator from the six pack series of simple PC boards (available from Kanga), though I used paddyboard construction instead of the board. This oscillator has a tap off point for a counter and is designed to light a "go/no-go" LED. While all the crystals lit the LED, some didn't put out enough signal to be reliably counted on my MFJ 259, which I used as the FREQ counter to match them. I used the three closest for the filter and the next best for the two oscillators. Obviously, I didn't use the ones that failed to give a good readout on the FREQ counter. Now, Jim Kortge told me at Dayton that he used a higher quality crystal--I'm sure he'll comment here on that--in his second 2N2 and he credits the better crystals with about a 10db improvement in MDS, which puts his second radio in competition with major commercial rigs. Indeed at the MDS he found, the rig is well beyond the noise limits of 40 meters. As for me, I am content with a less rigorous result (I can hear Jim laughing), and the Tech America crystals give me a very fine radio on 40, particularly considering the limits of noise that that band has.

On the subject of parts, I was able to buy everything I needed from Dan's Small parts (<http://www.fix.net/jparker/dans.html/>) and Tech America. The audio output transformer is a miniature job from Dan's (cheap) that is center tapped on both primary and secondary--one of the center taps isn't needed and is tied off as appropriate--and you can use an ohmmeter to distinguish primary from secondary. I think Jim spec'd a 1000 ohm secondary and this part is 1200, or something like that. It works fine. Generally, Dan's has

the cheapest parts I can find in small quantity. I use outfits like TechAmerica or Digikey, etc., when I can't find it at Dan's. In this case I never had to go beyond TechAmerica. The 2N2 doesn't seem to mind cheap parts, though I suppose it would be a poor contest to check my 2N2's specs against Jim's. Still, mine is a great rig in its own right.

On the IF amp Vcc voltage sensitivity that Steve Weber found. I had it too. The phenomenon is identifiable by changing Vcc from 12 to 14 volts. At 12v the radio is alive, and at 14v it is dead. Weird. The clearly elegant and simple solution is Jim's redo of the input end of the amp--not hard to do. Just check his corrected schematic on his web site. For the truly lazy, though, you can get by with increasing the dropping resistor from Vcc to the first transistor in the IF amp. That was my solution until Jim asked me to try his engineer's fix, which works well on accounta' he's good. :-)

Hope this helps.

Preston WJ2V

Date: Tue, 18 May 1999 10:29:58 -0700
From: "Kory Hamzeh" <kory@avatar.com>
To: <qrp-1@lehigh.edu>
Subject: [40726] FCC number of vanity
Message-ID: <004d01bea154\$0d5128a0\$14ce21c7@tomcat.avatar.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Does anyone know the number for the FCC department that handles to vanity calls? I filed about 10 days ago. The old number that I have doesn't seem to work anymore and I just want to know the backlog they have.

Thanks,
Kory
AC6RN

Date: Tue, 18 May 1999 12:41:33 -0500
From: Jeff Gold <JGold@tntech.edu>
To: QRP-L <qrp-1@lehigh.edu>

Subject: [40727] Ten Tec Pegasus
Message-ID: <002e01bea155\$abd35b00\$4d0b9595@cc.tntech.edu>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

OK, what is the Ten Tec Pegasus, didn't find it on the TT site.

Anyone have any experience with the Walford Electronics Taunto, or know what the current pound/\$ exchange rate is?

72
Jeff, AC4HF

Date: Tue, 18 May 1999 13:53:36 -0400 (EDT)
From: Brien Pepperdine <pepperb@gov.on.ca>
To: qrp-l@lehigh.edu
Subject: [40728] QRP+ - dial creep
Message-ID: <Pine.OSF.4.05.9905181343570.8571-100000@govonca2.gov.on.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Fellows, I sold a QRP+ to a fellow, and now he has a beef with me. He does not like the 'dial creep' endemic to the rig. I think he has a QRP+ already, bought used, and I suspect that it, like most of them, has had the infamous finger-hole knob replaced with a solid knob, so the encoder-shaft does not have the imbalance of the finger-hole knob.

I guess to assume he did not know the years-old problem was nothing but an assumption, not an attempt by me to misrepresent the 'state' of the radio. That's the way they sold them! How Index Labs chose that knob with such a sensitive encoder is a mystery long-standing.

Anyhow, if anyone would please send me their confirmation of the way it worked and their knob-fix, I would like to pass them on to him, anonymous sources, or post them to QRP-L for the record so recent purchasers of the QRP+ as used equipment can know, and I will direct him to the QRP-L Digest for confirmation of the group's users similar findings of the dial's operation.

Otherwise I think he likes the radio(s) generally, but is just shocked (and angry) to discover this little undocumented thing.

Thanks.

Brien Pepperdine
Toronto

Date: Tue, 18 May 1999 14:04:54 EDT
From: N9DD@aol.com
To: QRP-L@lehigh.edu
Subject: [40729] FS: Unbuilt Norcal 40A - Club version
Message-ID: <5db1980c.247305c6@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang

I am posting this for my QRP buddy WB9VTY. He has an unbuilt Norcal 40 A transceiver kit that he would like to sell.

He is asking \$100 for the rig plus an additional \$5.00 to cover shipping to locations in the continental U.S.

This rig is from the second run of 40A's from the Norcal club - NOT the Wilderness Radio commercial version. It comes with an unpainted and unlettered cabinet.

If interested, reply to N9DD@aol.com. First come, first served.

72,

Tom N9DD
South Bend, IN

Date: Tue, 18 May 1999 11:16:15 -0700
From: Dave Barrett <DBarrett@creo.com>
To: "'pepperb@gov.on.ca'" <pepperb@gov.on.ca>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [40730] RE: QRP+ - dial creep
Message-ID: <CE0A40BFE0CDD111A2B800A0C99B83EB01313799@msgcreo2.creo.bc.ca>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

I ended up replacing the el cheapo knob as supplied on the radio with an Icom knob I think off a 735 or similar. It was heavier, had a better feel and looked spiffy, unfortunately it exacerbated the infamous dial creep problem so much that I had to install a pair of small felt pads on a leaf spring gently pressing against the front panel. This alleviated the problem entirely, although it doesn't "feel" the way I really like tuning to feel, its a tad stiffer.

Dave VE7PCC (Recumbent builder) Vancouver BC Canada

-----Original Message-----

From: Brien Pepperdine [mailto:pepperb@gov.on.ca]
Sent: Tuesday, 18 May, 1999 10:54 AM
To: Low Power Amateur Radio Discussion
Subject: QRP+ - dial creep

Fellows, I sold a QRP+ to a fellow, and now he has a beef with me. He does not like the 'dial creep' endemic to the rig. I think he has a QRP+ already, bought used, and I suspect that it, like most of them, has had the infamous finger-hole knob replaced with a solid knob, so the encoder-shaft does not have the imbalance of the finger-hole knob.

I guess to assume he did not know the years-old problem was nothing but an assumption, not an attempt by me to misrepresent the 'state' of the radio. That's the way they sold them! How Index Labs chose that knob with such a sensitive encoder is a mystery long-standing.

Anyhow, if anyone would please send me their confirmation of the way it worked and their knob-fix, I would like to pass them on to him, anonymous sources, or post them to QRP-L for the record so recent purchasers of the QRP+ as used equipment can know, and I will direct him to the QRP-L Digest for confirmation of the group's users similar findings of the dial's operation.

Otherwise I think he likes the radio(s) generally, but is just shocked (and angry) to discover this little undocumented thing.

Thanks.

Brien Pepperdine
Toronto

Date: Tue, 18 May 1999 13:41:02 -0500
From: Joe Pardue <W50S@jep.com>
To: qrp-1@lehigh.edu
Subject: [40731] Re: FCC number of vanity
Message-ID: <4.1.19990518134038.00aa5e60@Mail.communique.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Kory, It is taking about three weeks at this time. Call 1-888-225-5322, avoid the automatic vmail selections and wait for a real person to answer. They can check which submission day is presently being worked.

73, Joe, W50S

At 10:29 AM 5/18/99 -0700, you wrote:

>
>Does anyone know the number for the FCC department that handles to vanity
>calls? I filed about 10 days ago. The old number that I have doesn't seem to
>work anymore and I just want to know the backlog they have.
>
>Thanks,
>Kory
>AC6RN

Date: Tue, 18 May 1999 15:17:09 EDT
From: RangerSF5@aol.com
To: k6mgo@juno.com
Cc: qrp-1@lehigh.edu
Subject: [40732] Re: anti hiss mod
Message-ID: <10cf709c.247316b5@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 99-05-18 13:35:45 EDT, you write:

<<

Somewhere I saw a link to G3YCC's mod to the LM386 audio chip to reduce hiss. It was adding two components, a 10K resistor and a 10n disc cap (I assume 10n is 10 pico fd?)
Anyway, I was wondering if this mod would help the LM380 in the NC20?
And if it would, where would you hook it up? G3YCC shows it going from

pin 8 of the 386 to the junction of a 220u electrolytic (connected to pin 5 of the 386) cap and the spkr. >>

I have not made that anti hiss mod to any of the QRP kits and to be honest with you,I don't think you really need it.
I did do it to my ARK-4 ,TAC-1 and the ARK-20
The LM386 chip,I used a 4.7-uf Tantaium cap from pin 7 to ground (BYPASS)
This reduces noise from the audio power amp.
The additional mod for that same chip is a 15K resistor on pin 1 and a .0047 cap soldered to the resistor,then other leg of cap to pin 5 of the chip..
If you have any noise problems with QRP rigs using the 2N3904,replace them with the RS # 276-2009 MPS2222A.
They generate a lot less noise.
BTW the above mod also works on the MFJ rigs
Sorry I couldnt be of more help.
I'm looking for an ARK-40 if anyone has one that needs a good home
Bob
WA2HOQrp <tm>

Date: Tue, 18 May 1999 13:39:31 -0600
From: jaywa5whn@juno.com
To: qrp-l@lehigh.edu
Subject: [40733] June 19 & 20 N5C SES Chaco Canyon
Message-ID: <19990518.133936.-479893.0.jaywa5whn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

"QRP Special Event Station announcement" {sometimes QRO}

Callsign: N5C

Location: Chaco Canyon, NM {grid square DM66} where ancient astronomers, with their signal fires a blaze, would sit and record their sitings.

We will be operating from an ancient signal hill {bon fires} on a prehistoric roadway system, near a very old astronomical site above Chaco Canyon.

Hours of operation: 1600 - 2400 UTC on June 19 & 20, 1999

This station will occasionally operate in the in the US Novice/Tech+
portion of the HF bands {2, 6, 10, 15 & 40 meters}.

modes: SSB, CW, AMTOR, FM {simplex}

More information can be obtained by viewing the following url;

<http://www.swcp.com/~n5zgt/n5c.htm>

72...Jay, WA5WHN

DM65qd Albuquerque, NM USA

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 18 May 1999 15:45:06 -0400
From: Laura Halliday <lha@sdr.utias.utoronto.ca>
To: qrp-l@lehigh.edu
Subject: [40734] Re: List of Shortwave Stations (regen's)

Message-ID: <3.0.6.32.19990518154506.007abd80@madrox>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Don't just concentrate on broadcast stations!

I've always found regions like 7.5 to 9 MHz to be full of interesting utility stuff, including HF SSB air traffic control and spook stations. One night last week I heard four spooks - a quack quack CW station (sending letter groups), a numbers station in English, a numbers station in Spanish, and a station that was sending letter groups in phonetics. All between 8 and 9 MHz, about 2100 local (North American Eastern Daylight, UTC-4) time.

You'll also hear RTTY and WEFAX (e.g. Bracknell on 8040 kHz), but I can't see too many regens being stable enough to copy them.

Laura Halliday VA3LDH "Que les nuages soient notre pied
Grid: FN03gs a terre..." - Hospital/Shafte

Date: Tue, 18 May 1999 16:03:33 -0400
From: "Alex Mendelsohn" <ai2q@ispchannel.com>
To: <aa0xj@ia.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [40735] RE: G-30 grid dip meter info needed
Message-ID: <000501bea169\$81f4e1a0\$5c32a7d0@mendelsohn.ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi James:

I don't know what a G-30 is in particular, but I use an old Measurements Corp. grid dipper here quite a bit. It has a thousand and one uses, and several books have been published about 'em all!

The plug-in coils permit you to select the frequency range. You can use them to loosely couple into inductors on an LC circuit and determine what frequency it resonates at. I do that with RF chokes, after shorting them, to find their self-resonant points. I also test RF amplifier plate and cathode circuits to find VHF/UHF resonances that could cause problems at HF if the tube I'm using has enough gain at VHF or UHF to oscillate.

I also use my dipper with a known-value capacitor in order to determine unknown values of inductance. All of this, and more, is covered in most ARRL handbooks.

The GDO also works well as a basic signal generator.

Good luck with yours. And, what is a Model G-30?

Vy 73, AI2Q, Alex, QRP-L 687 in kennebunk, Maine .-.-.

> -----Original Message-----

> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
> jim

> Sent: Monday, May 17, 1999 11:37 PM

> To: Low Power Amateur Radio Discussion

> Subject: G-30 grid dip meter info needed

>

>

> I found a G-30 Grid Dip Meter at a garage sale this weekend for a
> buck! It

> looks new, came with six probes (sense antennas?), but no instructions on
> it's use. I have been told that a GD meter is a very good tool to have
> around and I'd like to find some instructions for it.

> I will gladly pay for copying and mailing costs and wouldn't
> object to a

> person adding a dollar or so to thier QRP fund. :-) E-mail me direct
> please to aa0xj@qsl.net

> The name on the meter says KNIGHT. Tnx James

>

>

Date: Tue, 18 May 1999 16:07:16 -0400

From: "Frank Matthews" <fmathews@pilot.infi.net>

To: "QRP-L" <qrp-l@Lehigh.EDU>

Subject: [40736] SW40/30+ Modification Parts

Message-ID: <005f01bea16a\$07a965a0\$d60961d1@fmathews>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Did anyone in the group do a "group buy" for the parts outlined in QRPP's Autumn issue pertaining to the modifications for the SW+ rigs? If so...are there any left?

Frank

Date: Tue, 18 May 1999 16:09:22 -0400
From: "Alex Mendelsohn" <ai2q@ispchannel.com>
To: <JIM-EK@worldnet.att.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [40737] RE: Questions (2)
Message-ID: <000601bea16a\$5201af40\$5c32a7d0@mendelsohn.ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I like the El Cheapo Sony ICF-7600 Series of paperback book-sized receivers. They're very stable, small, copy CW/SSB as well as AM, and are digitally tuned.

Vy 73, AI2Q, Alex, QRP-L 687 in Kennebunk, Maine

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Jim Ek
> Sent: Tuesday, May 18, 1999 2:20 AM
> To: Low Power Amateur Radio Discussion
> Subject: Questions (2)
>
>
> Just decided a couple of days ago to try to earn a license so I could try
> QRP. I'm going to go for taking the Morse Code part of the exam when the
> time comes.
>
> Off the Internet, I picked up "MorseCat" for learning CW. It has
> a feature

> for practicing sending. But you need some type of key that wires
> into the
> game port.
>
> I have no electrical talent, and the last time I tried to build something
> electronic was 20 some years ago. So I'm not about to build something to
> connect into the game port of my computer and possibly blow it (the
> computer) past kingdom come.
>
> Does anyone on the list have any idea of what kind of key and
> connection I
> need and where I can purchase such an item?
>
> NEXT QUESTION:
>
> I'm a guy without a short wave radio. I know that there are practice
> sessions out there so that a person can monitor and practice receiving
> code. Is there a unit available, maybe even in a kit form (providing it
> has very easy to follow and complete instructions) that I could use now,
> and would be usable to me in the future for QRP. My only goal for this
> moment in time in Amateur Radio is to do QRP.
>
> Let me put it more intelligently. Where can I find a dang cheap receiver
> that has the capability to monitor CW practice sessions now, and later be
> able to use it for QRP, without it being a redundant piece of equipment.
>
>
>
>
>
>
>

Date: Tue, 18 May 1999 13:24:02 -0700
From: Allan G Taylor <k7gt@qsl.net>
To: qrp-l@lehigh.edu
Subject: [40738] DK9SQ 33' mast SOLD
Message-ID: <3741CC62.331E@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks for the responses. The mast goes to N0RC.

Allan K7GT

--

```

                                     |
                                   /|
                                 /  |
                                /   |
Allan Taylor K7GT                | /Z | \   FISTS 3222 ARS 228
    k7gt@qsl.net                /| /599| \   DXCC and WAS 40/cw
    Pleasanton CA              /_||/____|__\_ http://www.qsl.net/k7gt
...QR0, QRP, or barefoot..... [\--=====-/
~~~~~
```

Date: Tue, 18 May 1999 16:23:57 -0400
From: Bill B Lazure <n2tpa@juno.com>
To: QRP-L@Lehigh.EDU
Subject: [40739] K2 at Rochester?
Message-ID: <19990518.162506.7038.2.N2TPA@juno.com>

Gang,

I couldn't make Dayton, so my big 'fest of the year will be the Northeast Convention at Rochester, NY. Is anyone bringing a K2 to this event for public perusal? I'm always more comfortable plunking sown some \$\$ if I can play with the item first.

73,

Bill
W2EB

P.S. Any other QRPers planning to be there?

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 18 May 1999 20:45:04 GMT
From: mwattcpa@earthlink.net (Marty Watt)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [40740] Re: FCC number of vanity
Message-ID: <3741d04f.61472510@mail.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

On Tue, 18 May 1999 10:29:58 -0700, "Kory Hamzeh" <kory@avatar.com> =
wrote:

>
>Does anyone know the number for the FCC department that handles to =
vanity
>calls? I filed about 10 days ago. The old number that I have doesn't =
seem to
>work anymore and I just want to know the backlog they have.

According to the latest ARRL letter, the backlog is about three weeks.

* Vanity update: The FCC in Gettysburg reports it has processed vanity =
call
sign applications received through April 16. On May 5, the FCC issued 186
grants. Another 173 applications landed in the work-in-process (WIPs)
stack.--FCC

Looks like they are processing them on Wednesdays.

--

72 es 73 de Marty, KM7W

-----=

Memphis, Tennessee =
<http://home.earthlink.net/~mwattcpa>
VE -- NorCal #2031 -- ARCI #7514 -- QRP-L #0953 -- AK/QRP #098 -- Grid =
EM55ce
CODE WARRIOR(c) #29 -- Mobile CW -- "Taking Code on the Road with a =
Vengeance"
Member -- Tennessee Contest Group

Date: Tue, 18 May 1999 17:00:59 -0400 (EDT)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: QRP List <qrp-l@lehigh.edu>
Subject: [40741] FOXHUNT RESULTS
Message-ID: <Pine.OSF.3.95.990518165217.342C-100000@saturn1.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

First, I'd like to thank all the kind folks that sent notes to me
regarding the QRP-L Foxhunt website at

<<http://www.acs.oakland.edu/~prvalko/foxhunt.htm>>

It really was a lot of fun and I'm so happy that we generated over 2,500 2-way QRP QSOs because of the Foxhunt.

Yesterday, I put the "rules" from last year up on the page.

See you all in October 1999 for the Millenium FOXHUNT!!!

73! =paul= W8KC

Collector of Ten*Tecs and other fine plastics

<<http://www.acs.oakland.edu/~prvalko>>

Date: Tue, 18 May 1999 17:04:39 -0400
From: "W. K. Hibbert" <wb2vuo@juno.com>
To: qrp-1@lehigh.edu
Subject: [40742] CQ KBOREI: Lost your address
Message-ID: <19990518.170440.-95173.0.wb2vuo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Sorry to take up the bandwidth, but I lost Carlo, KBOREI's Email address.

Carlos, could you contact me directly, and did the HTX-100 arrive OK?

72/73, Keith, WB2VUO, 100% QRP in the Depths of the Great Bergen Swamp
"My night light runs more power than my Rig!!!"

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or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 18 May 1999 16:22:15 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-1@lehigh.edu
Subject: [40743] Super Het Regen
Message-ID: <199905182106.RAA06623@moose.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Howdy all,

Well, I found a suitable portable radio to build the super het regen into. It's a mini stereo boom box, 9" x 3" x 11/2" with whip antenna, two 2" speakers, dual volume controls and has more than enough room inside to work with. Think I paid \$7.95 for it years ago.

I'll strip the board of parts, except for the audio amp, tuning cap and controls and tack on a new board with the new stuff on it. One of the volume controls will become a varactor diode band spread. AM/FM/FM stereo switch might become a band selector.

Should be kinda neat...

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Tue, 18 May 1999 16:07:43 -0500
From: "Chris Cieslak" <ccieslak@law.uiuc.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [40744] Dayton Recap?
Message-ID: <001501bea172\$79027360\$0f1215ac@classifiedventures.com>

Folks-

for those of us who were unlucky enough to not be in Dayton last weekend, is there a web site that has a recap of all the cool new stuff that was introduced and maybe some event highlights?

73 chris aa9hd

Date: Tue, 18 May 1999 21:43:21 GMT
From: "Richard Arland" <r_arland@hotmail.com>
To: PDouglas12@aol.com, qrp-1@Lehigh.EDU
Subject: [40745] Re: Sad news about Bob Gobrick
Message-ID: <19990518214321.81762.qmail@hotmail.com>
Mime-Version: 1.0

Content-type: text/plain; format=flowed;

>From: PDouglas12@aol.com

>Bob was an organizer, a friend, and a brave man. We lost a good one.

>

>72,

>

>Preston Douglas WJ2V

I couldn't agree more. Maybe the QRP ARCI should name the annual building contest at FDIM in honor of Bob. What say ye?

73 Rich K7SZ

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Date: Tue, 18 May 1999 14:45:18 -0700 (PDT)

From: Theodore Wong <wong_th@eng.printronix.com>

To: qrp-l@lehigh.edu

Subject: [40746] Internet Online Ordering Caveat

Message-ID: <199905182145.0AA06611@taz.printronix.com>

Hello All,

Wondering if this has happened to anyone else out there. I ordered some parts using a company's online ordering feature. Since all companies have minimum shipping and handling charges, I always try to order enough items to justify the shipping and handling costs. So the other day I submit my order for some T50-7 toroids (for the 2N2/40 project) as well as some other items. I get the toroids okay but the other items were backordered or not available. They refund the difference on my charge card for the undelivered items, which is okay but I still get dinged for the shipping and handling. The final tally, \$6.00 shipping for five toroids worth about 3 bucks. Happened to me twice this week with different companies. With computers these days, how come they can't check stock while you are entering your order?

Sorry for taking up space on the list, but I venting :-(

Regards,

Tedd AB6C0

Date: Tue, 18 May 1999 15:31:10 -0700 (PDT)
From: Ron Stark <ku7y@dri.edu>
To: Theodore Wong <wong_th@eng.printronix.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [40747] Re: Internet Online Ordering Caveat
Message-ID: <Pine.SOL.3.96.990518152256.9684A-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Tedd and all,

I'll add one other thing....

I sold some radios. Wheeee!!!

Shipped the first via UPS through the local Mail Boxs Etc.
Everything still OK. They get a little for their trouble and
that's fine.

Later I shipped the second radio, again via UPS and Mail Boxs
Etc. This time I was charged \$69.85. I had checked on the UPS
page and came up with a price of \$35. I got back here and rechecked
to be sure I had all the right data and it was still \$35. I called
the Mail Boxs Etc store and the YL figured it out again and came
up with \$42.

I went back to the store to get the difference back and the owner
figured it out again and came up with \$62. I asked why his
employee was \$42, his first charge was \$69 and this time it
was \$62.

I was told that 'I'm not UPS and can charge anything I want and
there is nothing you can do about it because the box has already
gone out' or words to that effect!!

So if you use some secondary place to ship something, BE SURE
of the costs before spending your money!

The third raido went out via the post office. Price was almost
a whole dollar more than UPS for a 44 lb shipment, insured!

Anyone want to guess where my shipping busniess in going in
the future?

: -)

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 18 May 1999 15:31:38 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: "QRP-L list" <qrp-l@Lehigh.edu>
Subject: [40748] psk31 foxhunt?
Message-ID: <084e01bea17e\$3d32e750\$140a0a0a@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang --

I am now up and running on psk31 (DXCC = 4, WAS = 1) and am having fun with it. (Almost as much fun as CW!)

I am intrigued with the idea of a foxhunt-like operating exercise to probe the idiosyncrasies of the mode. I'm not sure what happens in a psk pileup, for example, since there has never been a psk pileup ever (yet).

What I have in mind to start is to volunteer as the PeSKy FOX for a one-evening special event foxhunt, where, for one hour, I would take on all hunters on either 40 or 20 meter psk. (Haven't decided yet which one to do.) Five watts or less, of course. Hopefully, it would be a bit like the first foxhunts, with a fair portion of rag-chewing.

Is there any interest out there? Let me know if there are enough of us on psk to make it possible.

Mike Gipe K1MG
aka:
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mgipe@blueskyengineering.com
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mgipe@alum.MIT.EDU
K1MG@qsl.net

End of QRP-L Digest 1461

